ORDER NO. KMS9809311C1

Service Manual

DIGITAL PROPRIETARY TELEPHONE FOR DIGITAL SUPER HYBRID SYSTEM

KX-T7433C

White Version

KX-T7433C-B

Black Version

(for Canada)



■ SPECIFICATIONS

Station Loop Limit:

40 ohms

Cabling Method:

2 pair wire

Jacks:

Main unit, Handset/Headset, Telephone

Display:

16 digits (max.)

Dimensions:

208 (W)×105 (H)×232 (D) mm with handset

Weight:

1.03 kg

Design and specifications are subject to change without notice.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians.

Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

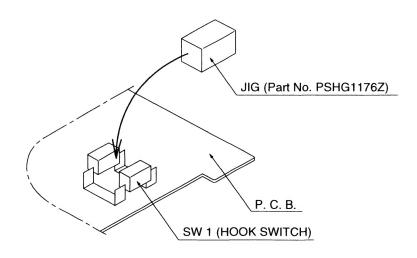
When you note the serial number, write down all of the 11 digits. The serial number may be found on the label affixed to the bottom of the unit.

TABLE OF CONTENTS

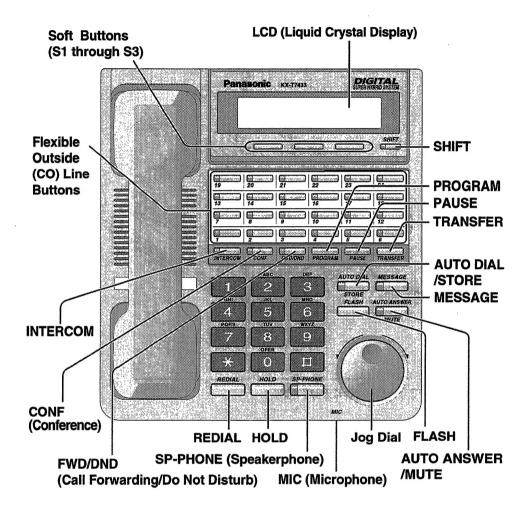
Page
HOW TO REPLACE THE FLAT PACKAGE IC 30
PRINTED CIRCUIT BOARD 33, 40
WAVEFORM35
SCHEMATIC DIAGRAM39
CABINET AND ELECTRICAL PARTS LOCATION 41
ACCESSORIES AND PACKING MATERIALS 42
REPLACEMENT PARTS LIST43

FOR SERVICE TECHNICIANS

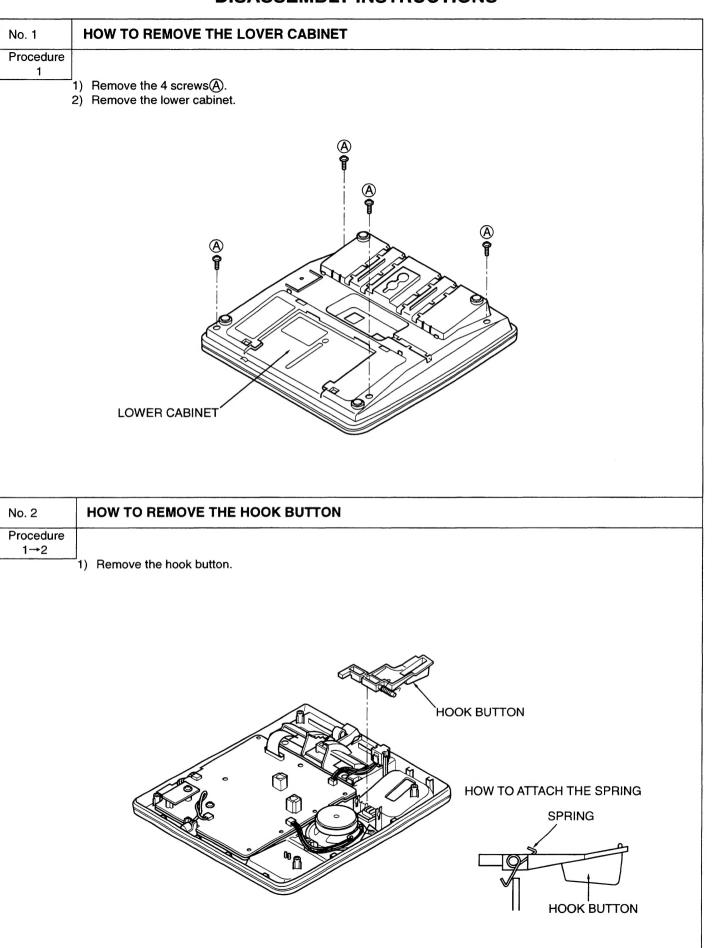
- 1. Note the following items when exchanging the LEDs (Ref. No. D100-130, D201) of Dial P.C. Board.
 - 1) Do not reuse a LED which is removed from the P.C. Board.
 - 2) Use a soldering iron (less than 15 W) for exchanging LED.
 - 3) Do not heat the LED for more than 2 seconds.
 - 4) Do not move the LED after soldering.
- 2. This unit employs the switch which is influenced by the light for the hook switch. When you open the cabinet to repair the unit in the bright light, the hook switch might work improperly. Therefore, take care not to shine the hook switch directly, or use the jig as shown below.



LOCATION OF CONTROLS



DISASSEMBLY INSTRUCTIONS



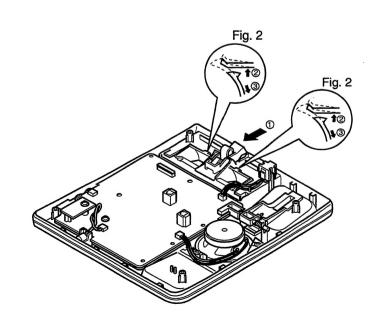
CONNECTOR

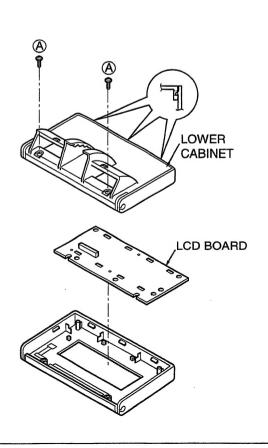
HOW TO REMOVE THE SWITCH AND MAIN BOARDS No. 3 Procedure 1→2→3 1) Remove the screw(A). 2) Pull out the switch board connector. 3) Remove the switch board. **(B) B** 4) Pull out the flat cable. (See Fig. 1)5) Remove the 2 screws®. 6) Pull out the speaker and microphone connectors. 7) Remove the main board. MAIN BOARD Fig. 1 CONNECTOR FLAT CABLE CONNECTOR **SWITCH BOARD**

No. 4 HOW TO REMOVE THE LCD BOARD

Procedure 1→4

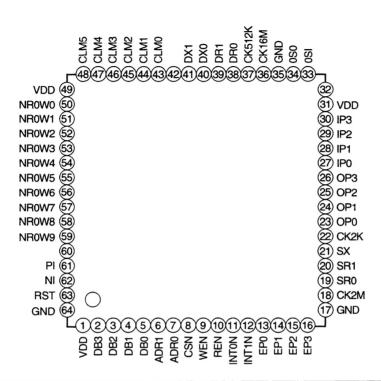
- 1) Pull out the flat cable. (See Fig. 1)
- 2) Remove the LCD block. (See Fig.2)
- 3) Remove the 2 screws (A).
- 4) Remove the lower cabinet.
- 5) Remove the LCD board.





IC DATA

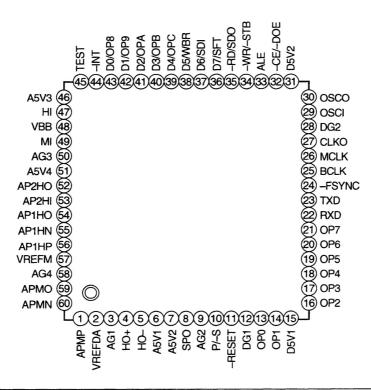
1. IC1



Name	Pin	Dir.	Pull Up	Туре	lo	Act.	Block	MHz	Descriptions
DB3	2	bidir		TTL	8.0mA	high	PT5B03	2.0	Data Bus [3]
DB2	3	bidir		TTL	8.0mA	high	PT5B03	2.0	Data Bus [2]
DB1	4	bidir		TTL	8.0mA	high	PT5B03	2.0	Data Bus [1]
DB0	5	bidir		TTL	8.0mA	high	PT5B03	2.0	Data Bus [0]
ADR1	6	input	12-38k	TTL		high	PT5D01U	2.0	Address Bus [1]
ADR0	7	input	12-38k	TTL		high	PT5D01U	2.0	Address Bus [0]
CSN	8	input		TTL		low	PT5D01	1.0	Chip Select
REN	10	input	12-38k	TTL		low	PT5D01U	2.0	Read Enable Command
WEN	9	input	12-38k	TTL		low	PT5D01U	2.0	Write Enable Command
RST	63	input		CMOS schmidt		high	PC5D21	0.01	Asynchronous Reset Input
INTON	11	output		CMOS	2.0mA	low	PC5O01	0.01	Interrupt Request
INT1N	12	output		CMOS	2.0mA	low	PC5O01	0.01	Interrupt Request
DR0	38	input		CMOS		low	PC5D01	0.6	Dpits Receive Data [1]
DR1	39	input		CMOS		low	PC5D01	0.6	Dpits Receive Data [0]
DX0	40	output		CMOS	4.0mA	low	PC5O02	0.6	Dpits Transmit Data [1]
DX1	41	output		CMOS	4.0mA	low	PC5O02	0.6	Dpits Transmit Data [0]
CK512K	37	output		CMOS	2.0mA	high	PC5O01	0.6	Dpits Bit Rate Clock
SR0	19	input	12-38k	TTL		high	PT5D01U	0.1	Serial Receive Data Stream [0]
SR1	20	input	12-38k	TTL		high	PT5D01U	0.1	Serial Receive Data Stream [1]
SX	21	output		CMOS	4.0mA	high	PC5O02	0.1	Serial Transmit Data Stream
CK2M	18	output		CMOS	4.0mA	high	PC5O02	2.1	Serial Stream Clock
EP0	13	output		CMOS	2.0mA	high	PC5O01	0.01	External Channel Pulse [0]
EP1	14	output		CMOS	2.0mA	high	PC5O01	0.01	External Channel Pulse [1]
EP2	15	output		CMOS	2.0mA	high	PC5O01	0.01	External Channel Pulse [2]

Name	Pin	Dir.	Pull Up	Туре	lo	Act.	Block	MHz	Descriptions
EP3	16	output		CMOS	2.0mA	high	PC5O01	0.01	External Channel Pulse [3]
PI	61	input		CMOS schmidt		high	PC5D21	0.01	Rotary Encoder Input [Pos]
Ni	62	input		CMOS schmidt		high	PC5D21	0.01	Rotary Encoder Input [Neg]
CLM0	43	output		CMOS	4.0mA	high	PC5O02	0.01	LED Column Drive [0]
CLM1	44	output		CMOS	4.0mA	high	PC5O02	0.01	LED Column Drive [1]
CLM2	45	output		CMOS	4.0mA	high	PC5O02	0.01	LED Column Drive [2]
CLM3	46	output		CMOS	4.0mA	high	PC5O02	0.01	LED Column Drive [3]
CLM4	47	output	***	CMOS	4.0mA	high	PC5O02	0.01	LED Column Drive [4]
CLM5	48	output		CMOS	4.0mA	high	PC5O02	0.01	LED Column Drive [5]
NROW0	50	output		CMOS	4.0mA	low	PC5O02	0.01	LED Row Drive [0]
NROW1	51	output		CMOS	4.0mA	low	PC5O02	0.01	LED Row Drive [1]
NROW2	52	output		CMOS	4.0mA	low	PC5O02	0.01	LED Row Drive [2]
NROW3	53	output		CMOS	4.0mA	low	PC5O02	0.01	LED Row Drive [3]
NROW4	54	output		CMOS	4.0mA	low	PC5O02	0.01	LED Row Drive [4]
NROW5	55	output		CMOS	4.0mA	low	PC5O02	0.01	LED Row Drive [5]
NROW6	56	output		CMOS	4.0mA	low	PC5O02	0.01	LED Row Drive [6]
NROW7	57	output		CMOS	4.0mA	low	PC5O02	0.01	LED Row Drive [7]
NROW8	58	output		CMOS	4.0mA	low	PC5O02	0.01	LED Row Drive [8]
NROW9	59	output		CMOS	4.0mA	low	PC5O02	0.01	LED Row Drive [9]
IP0	27	input	12-38k	CMOS		high	PC5D01U	0.01	Input Port [0]
IP1	28	input	12-38k	CMOS		high	PC5D01U	0.01	Input Port [1]
IP2	29	input	12-38k	CMOS		high	PC5D01U	0.01	Input Port [2]
IP3	30	input	12-38k	CMOS		high	PC5D01U	0.01	Input Port [3]
OP0	23	output		CMOS	4.0mA	high	PC5O02	0.01	Output Port [0]
OP1	24	output		CMOS	4.0mA	high	PC5O02	0.01	Output Port [1]
OP2	25	output		CMOS	4.0mA	high	PC5O02	0.01	Output Port [2]
OP3	26	output		CMOS	4.0mA	high	PC5O02	0.01	Output Port [3]
CK2K	22	output		CMOS	4.0mA	high	PC5O02	0.20	2kHz Clock Output (duty 25%)
CK16M	36	output		CMOS	2.0mA	high	PC5O01	16.4	Master Clock Out
OSI	33	input		Analog			PC5X02	16.4	X'tal In (XIN)
oso	34	output	***	Analog			PC5X02	16.4	X'tal Out (XOUT)
N.C.	32								not used
N.C.	42								not used
N.C.	60								not used
VDD1	1	vdd							Vdd (5V)
VDD2	31	vdd							Vdd (5V)
VDD3	49	vdd							Vdd (5V)
VSS1	17	vss							Vss (GND)
VSS2	35	vss							Vss (GND)
VSS3	64	vss							Vss (GND)

2. IC2



Name	NO.	1/0	Classification	Function	
APMP	1	Analog input	Analog	Non-inverting input terminal of microphone amplifier M1. Connect to the microphone.	
VREFDA	2		Power supply, etc.	Reference voltage terminal of DAC. Connect the capacitor of 40µF between this terminal and pin 9(AG2).	
AG1	3			Ground terminal of the analog circuit.	
HO+	4	Analog output	Analog	Output terminal for the handset receiver. HO+ terminal and HO- terminal are biased to Vdd/2 voltage.	
НО-	5			HO– terminal is the inverse porality output terminal for pin 4 (HO+). Connect the capacitor in series between the handset and these terminals to cut the DC. Use the nonpolar type capacitor.	
A5V1	6		Power	5V power supply terminal of analog circuit.	
A5V2	7		supply, etc.		
SPO	8	Analog output	Analog	Output terminal for the speaker amplifier. Connect to the external speaker amplifier input terminal. SPO terminal is biased to Vdd/2 voltage. Connect the capacitor of $0.1\mu F$ in series between the external speaker amplifier input terminal and this terminal.	
AG2	9		Power supply, etc.	Ground terminal of the analog circuit.	
P/–S	10	CMOS input	Micro- computer	Mode selection terminal of microcomputer interface. Inputting "0" selects the serial mode, and "1" selects the parallel mode.	
-RESET	11		interface	System reset terminal. The system is reset when "0" is pressed.	
DG1	12		Power Supply, etc.	Ground terminal of the digital circuit.	

Name	NO.	1/0	Classification	Function	
OP0	13	3 states	Output port	Outputs BIT0 signal of OPORT1 resistor.	
OP1	14	output		Outputs BIT1 signal of OPORT1 resistor.	
D5V1	15		Power Supply, etc.	5V power supply terminal of digital circuit.	
OP2	16	3 states		Outputs BIT2 signal of OPORT1 resistor.	
OP3	17	output		Outputs BIT3 signal of OPORT1 resistor.	
OP4	18		Output port	Outputs BIT4 signal of OPORT1 resistor.	
OP5	19		Output port	Outputs BIT5 signal of OPORT1 resistor.	
OP6	20			Outputs BIT6 signal of OPORT1 resistor.	
OP7	21			Outputs BIT7 signal of OPORT1 resistor.	
RXD	22	TTL input		Input terminal for PCM data	
TXD	23	Output		Output terminal for PCM data	
-FSYNC	24	TTL input	PCM interface	Input terminal of Sync. signal for PCM interface. The frequency of input sync. signal is 8 kHz.	
BCLK	25	•	menace	Input terminal of shift clock pulse for PCM data. Input pulse frequency range is 64 kHz~2.048 MHz. PCM data (TXD terminal signal) is output at the positive edge. PCM data (RXD terminal signal) is sampled at the negative edge. The sampling is performed inside LSI.	
MCLK	26	Output	Clock	Clock pulse output terminal. Output pulse frequency is 6.144MHz. System reset (inputting "0" to –RESET terminal) doesn't stop this output.	
CLKO	27			Clock pulse output terminal which has selective frequencies. The following 4 frequencies can be selected by resistor setting: 12.228, 4.096, 2.048, 1.536 (MHz) System reset (inputting "0" to —RESET terminal) selects the frequency of 1.536MHz and doesn't stop this output.	
DG2	28		Power supply, etc.	Ground terminal of digital circuit.	
OSCI	29		Clock	Input terminal of oscillation circuit. Connect the oscillator and resistor between this terminal and pin 30(OSCO), moreover, connect the capacitor between this terminal and digital ground to make the oscillation circuit.	
OSCO	30			Output terminal of oscillation circuit. Connect the oscillator and resistor between this terminal and pin 29 (OSCI), moreover, connect the capacitor between this terminal and digital ground to make the oscillation circuit.	
D5V2	31		Power supply, etc.	5V power supply terminal of digital circuit.	
-INT	44	Output	Micro- computer interface	Outputs 8 kHz clock pulse which is synchronized with -FSYNC.	
TEST	45	CMOS input	Power supply, etc.	Test terminal Connect to the digital ground.	
A5V3	46			5V power supply terminal of analog circuit.	
HI	47	Analog input	Analog	Input terminal of TX handset signal. Either this signal or the signal supplied to pin 49 (HI) is input to AD converter.	
VBB	48		Power supply, etc.	Reference voltage terminal of AD converter. Connect the capacitor of 10μF between VBB terminal and pin 50 (AG3).	

Name	NO.	I/O	Classification	Function	
MI	49	Analog input	Analog	Input terminal of TX microphone signal. Either this signal or the signal supplied to pin 47 (HI) is input to AD converter.	
AG3	50		Power	Ground terminal of analog circuit.	
A5V4	51]	supply, etc.	5V power terminal of analog circuit.	
AP2HO	52	Analog output		Output terminal of microphone amplifier H2. Connect the capacitor of 0.1µF to this terminal to cut the DC.	
AP2HI	53	Analog input		Inverting input terminal of microphone amplifier H2. Connect the capacitor of 0.1µF to this terminal to cut the DC.	
AP1HO	54	Analog output	Analog	Output terminal of microphone amplifier H1. Connect the capacitor of 0.1µF to this terminal to cut the DC.	
AP1HN	55	Analog input		Inverting input terminal of microphone amplifier H1. Connect to the handset.	
AP1HP	56	Analog input	Analog	Non-inverting input terminal of microphone amplifier H1.	
VREFM	57		Power	Reference voltage terminal of microphone amplifier. Connect the capacitor of 40 µF between this terminal and pin 56 (MICG).	
AG4	58]	supply, etc.	Ground terminal of analog circuit.	
APMO	59	Analog output		Output terminal of microphone amplifier. Connect the capacitor of $0.1\mu F$ to this terminal to cut the DC.	
APMN	60	Analog input	Analog	Non-inverting input terminal of microphone amplifier M.	

BLOCK DIAGRAM TEL JACK 굵 SW301 JOG SW (Main p.c.board) DC-DC CONVERTER PSUP1177ZA D100~130 띹 5 二 POWER REGULATOR Q13~Q18 C10 DRIVING Q3~Q12 <u>ဗ</u> 107 LΕD 1011,01,02 COMMUNI-+5√ + CATION -5/4 16.384 DATA +27 CK2K R0~R9 CO~C5 $\overline{\mathsf{x}}$ 쏲 × -cation LED Control JOG SW Control communi RESET HOOK SW GATE ARRAY IC1 DPITS +57 INT, RD,WT, A0,A1, D0~D3 × 4MHz INT, RD,WT,ALE, D5~D7 **1AP** 12.288 MHz 쏬 00000 00000 00000 00000 00000 × RR, RD, RB C2(TEL Communication LSI) 85 P CODEC (D→A/A→D) SP-Phone CIRCUIT **TONE GENELATOR** HANDSET CIRCUIT ΚEΥ RR, RD, RB TONE DETECT IC8 CONT CN2 CONTROLER LCD DRIVER Amp (LCD p.c.board) PSUP1178ZA CCCC KEY SPEAKER HANDSET •T7433 (16x3) LCD PANEL

CIRCUIT OPERATIONS

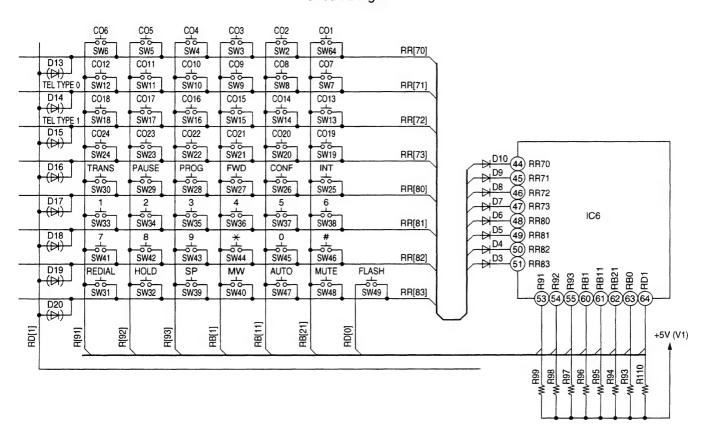
1. KEY INPUT CONTROL CIRCUIT

1) Circuit Operation

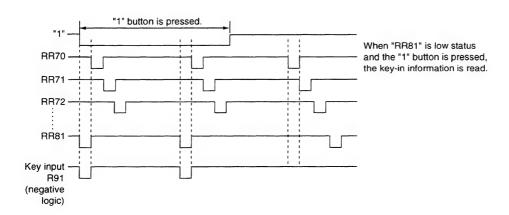
Sequential input information (negative logic) from the DSHS proprietary telephone is executed by dynamic scanning. The ports RR70 to RR73, RR80 to RR83 of IC8 are brought to low status consecutively.

If a key is pressed, the key-in information input is executed by ports R91 to R93, RB1, RB11, RB21, RB0, RD1.

Circuit Diagram



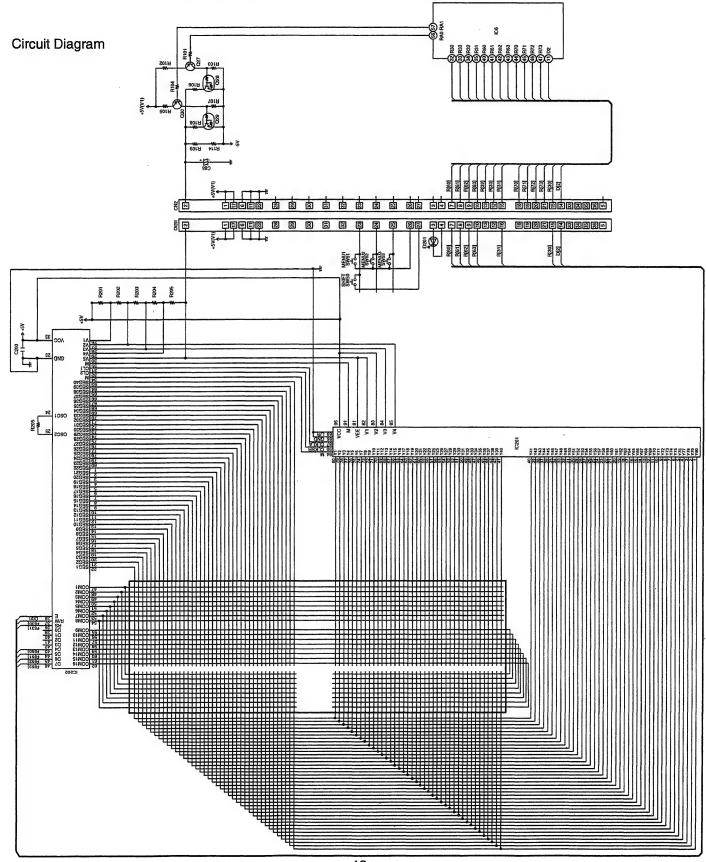
Key Input Control Timing Chart



2. LCD CONTROL CIRCUIT

1) Circuit Operation

The LCD data is output from pins 32 to 35, 40 to 47 and 11 of IC6. LCD contrast adjustment is performed by the circuit composed of Q28, Q29, R109, R108 and R106. The contrast is determined only by the voltage level between V5 and VEE of IC202 and IC201. Higher potential makes the contrast high.



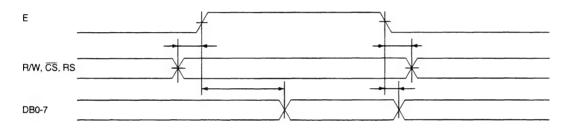
LCD Contrast Control

CONTRAST	IC9 Pin 56	IC9 Pin 57
HIGH	Н	L
MIDDLE	L	Н
LOW	Н	Н

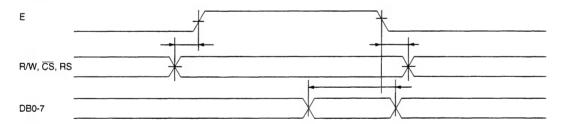
4-bit Data Transfer Timing Sequence

Data Transfer Timing Sequence

READ CYCLE



WRITE CYCLE



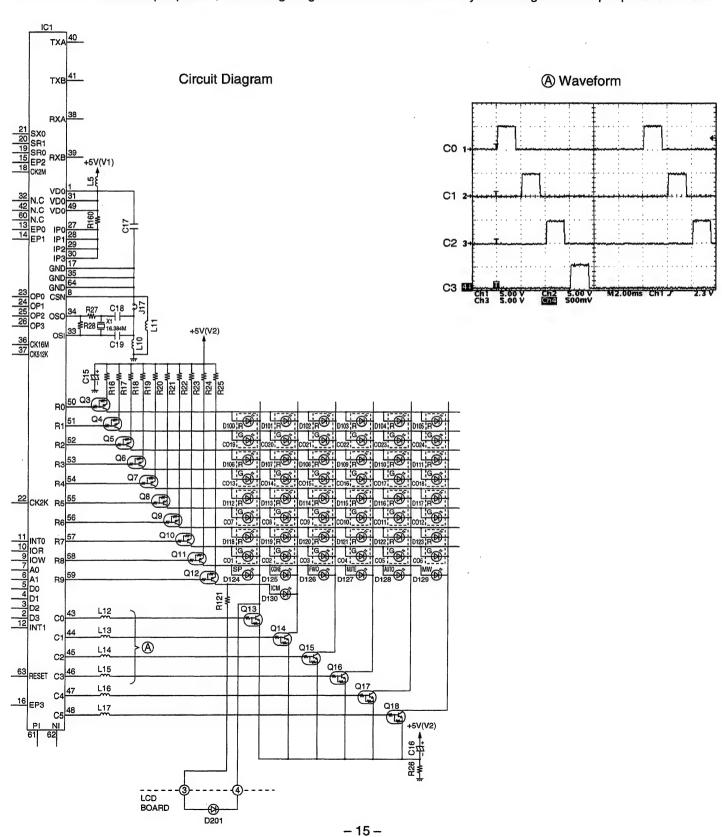
3. LED CIRCUIT

1) Circuit Operation

The LED executes dynamic lighting for the status indicators, and control is executed by the output ports C0 to C5 (column) and R0 to R9 of IC1.

A fixed pulse (T=1.82 msec) is output continuously from the/SCK1 terminal of IC9. This pulse is counted and the output of IC1 is shifted sequentially from C0 to C5.

R0 to R7 of IC1 also output pulses, and the lighting of the LED is controlled by the timing of the output ports C0 to C5.



4. DATA COMMUNICATION CIRCUIT

1) Function

The data communication circuit serves the following functions:

Information exchanger between the DSHS and DSHS proprietary telephone, key input information as well as data for the LED control, LCD control, etc. This information is continuously exchanged at all times.

2) Circuit Operation

When the DSHS proprietary telephone receives an IRQ signal from the DSHS and after sending the key input information to the DSHS and receiving data for the LED control, etc., the DSHS proprietary telephone will return to the DSHS an acknowledge signal.

3) Reception

The data from the DSHS is received via the H and L lines along the path shown below.

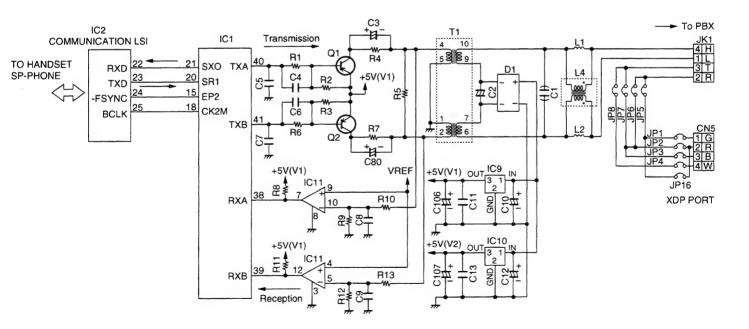
H. L Line \rightarrow T1 \rightarrow IC11 Pin 5, 10 \rightarrow IC1 Pin 38, 39 \rightarrow IC1 Pin 21 \rightarrow IC2 Pin 22

4) Transmission

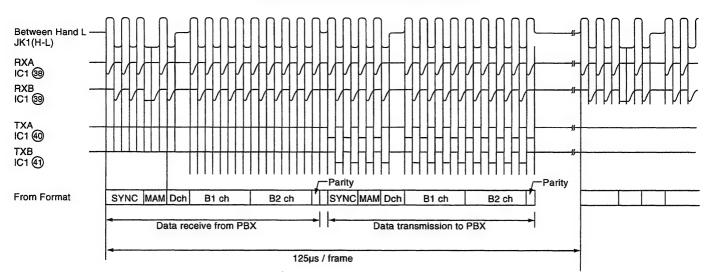
The data to the DSHS proprietary telephone is transmitted along the following path.

IC2 Pin 23 \rightarrow IC1 Pin 20 \rightarrow IC1 Pin 40, 41 \rightarrow Q1, Q2 \rightarrow T1 \rightarrow H, L Line

Circuit Diagram



Timing Chart for D-PITS Transmission

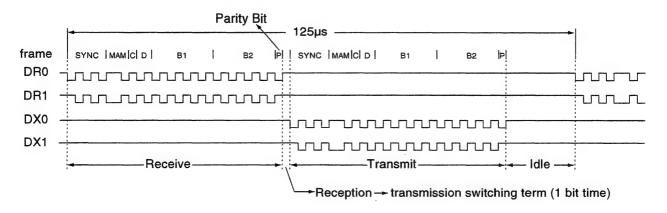


5) IC1 (GATE ARRAY) DPITS Interface

DPITS Layer 1 interface. DR [1:0] is receiving input and DX [1:0] is transmitting output.

Layer 1 is the transmission method of Ping-Pong type which is AMI encoded. "SYNC/MAMC/D/B1/B2/P" data is received in the first half at 125us/frame. After 1 bit time has passed since receiving P data, "SYNC/MAM/C/D/B1/B2/P" is transmitted. 1 bit time is 512kHz. 7-bit time idle term comes after receiving P data.

Dpits Frame Timing



6) PCM interface (between IC1 and IC2)

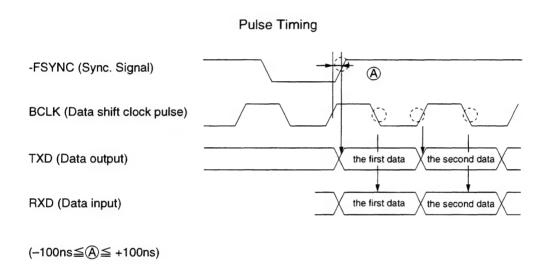
PCM interface consists of following 4 terminals.

PCM interface terminal

-FSYNC	8kHz sync. signal input terminal	BCLK	PCM data shift clock input terminal
TXD	TXD data output terminal	RXD	PCM data input terminal

The first PCM data is output from TXD at the positive edge of -FSYNC. The second data and the followings are output at the positive edge of BCLK. After all data of 8 bit are output, the last data is kept until the positive edge of next - FSYNC. The positive edge of BCLK should be within ±100ns from the positive edge of -FSYNC.

The PCM data input from RXD is sampled at the negative edge of BCLK inside LSI. The sampling of the first data is performed between the positive edge of -FSYNC and the first negative edge of BCLK. After completing the sampling of all data of 8 bit, this sampling pauses until the next positive edge of -FSYNC.

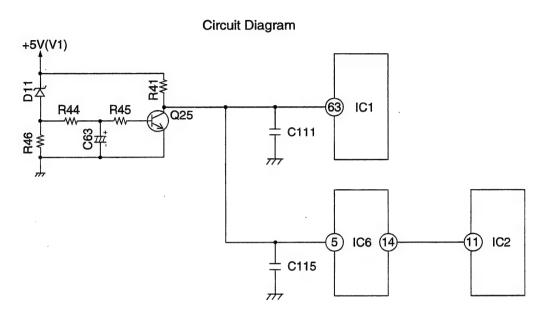


5. RESET CIRCUIT

1) Circuit Operation

This circuit is used for transmission of a reset pulse to the CPU (IC6) at the following times, connecting the telephone line jack and circuit operation.

The timing chart is shown below.



Power ON Q25 OFF The reset signal goes up with the power voltage. D11 Zener Diode ON Charging C63 is started.

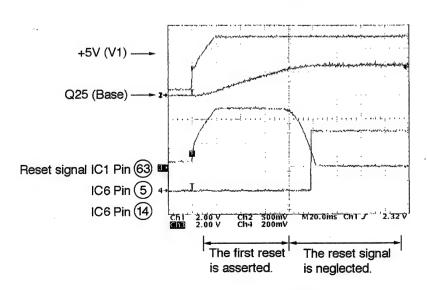
The base voltage of Q25 goes up.

Reset signal is asserted

Q25 ON

The reset signal is negledted.

Timing Chart

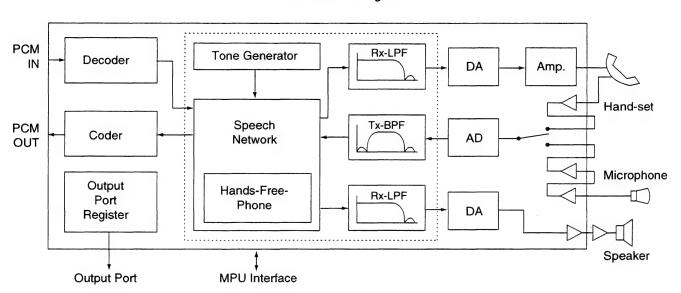


6. TONE GENERATION CIRCUIT

1) Function

Calling tones, Busy tone, DTMF signal and Key in tone are generated in IC2.

IC2 Block Diagram



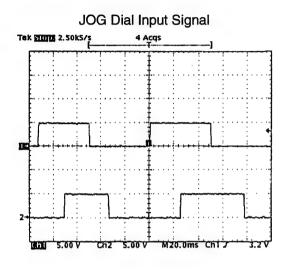
DTMF Frequency Table

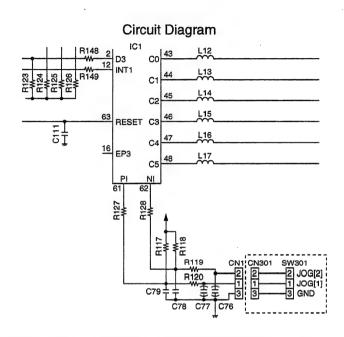
			High Group (IC9 Pin 77)	
		1209 Hz	1336 Hz	1477 Hz
	697 Hz	1	2	3
Low Group /IC9 \	770 Hz	4	5	6
Pin 78	852 Hz	7	8	9
	941 Hz	*	0	#

7. JOG DIAL CIRCUIT

1) Circuit Operation

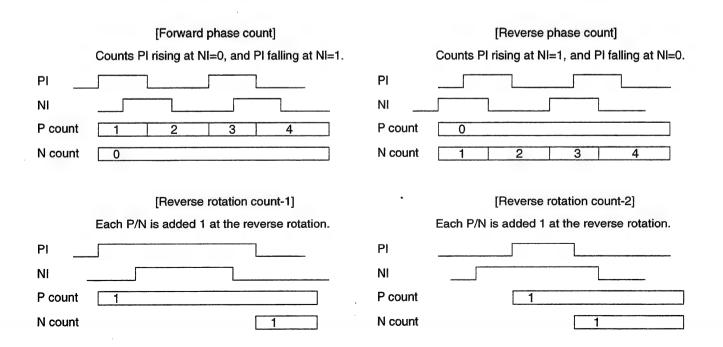
This unit is equipped with the JOG switch, which makes the settings of the volume, function selection speed dial, etc. easy and convenient. This JOG switch consists of 2-phase rotary encoder, and the gate array of IC1 counts the number of the rotation to control. The sampling cycle is 1ms and provided with the chattering protective circuit whose available pulse width is 1ms or more.





These are the rotary encoder inputs, and sampled 1 kHz (1 msec)/cycle. The built-in chattering protective circuit neglects the input pulse of 1 msec or less. The high pulse of 2 msec or more is available. The availability of the pulse with the width of 1~2 msec is not ensured.

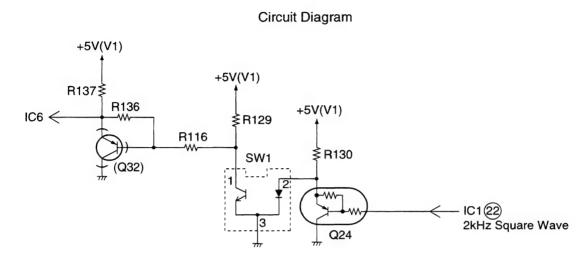
The changed number of these 2-phase inputs is counted cumulatively. The maximum counting value is 255.



8. HOOK SWITCH CIRCUIT

1) Circuit Operation

The hook switch of this unit employs the photo switch consisting of LED and photo transistor. The 2kHz pulse from the gate array of IC2 causes the LED to emit the light. The light is interrupted at ON-HOOK and passes through at OFF-HOOK by the hooking bar, so that the hooking is performed controlling the light of the photo transistor. The detection signal is determined by the microcomputer of IC6.



9. HANDSET CIRCUIT

1) Transmission signal path

The analog input signal from the handset microphone is input to the communication LSI through the IC2 built-in analog amplifier. In this LSI the network control based on A/D conversion and the handset software and the gain control based on the down load data from the PBX are performed. The voice data is sent to IC1 by the serial transmission. The voice data is transmitted between PBX and DPITS with the protocol originated by KME.

2) Reception signal path

The voice serial data transmitted from PBX is sent to IC1 or IC2 by the serial data. The network control, gain control, A/D conversion is performed in IC2, then the data is output from the handset speaker. Q31 of the handset speaker performs the mute operation by controlling IC6.

3) Circuit diagram for transmission/reception signal path

Refer to page 39.

10. SP-PHONE CIRCUIT

1) Transmission signal path

The analog input signal from SP-phone microphone is input to the communication LSI through the IC2 built-in analog amplifier. In this LSI the network control based on A/D conversion and the handset software and the gain control based on the down load data from the PBX are performed. The voice data is sent to IC1 by the serial transmission. The voice data is transmitted between PBX and DPITS with the protocol originated by KME. IC3 is the SP-phone amplifier, which turns ON/OFF using the port of IC2. The analog switch of IC12 interrupts the input signal.

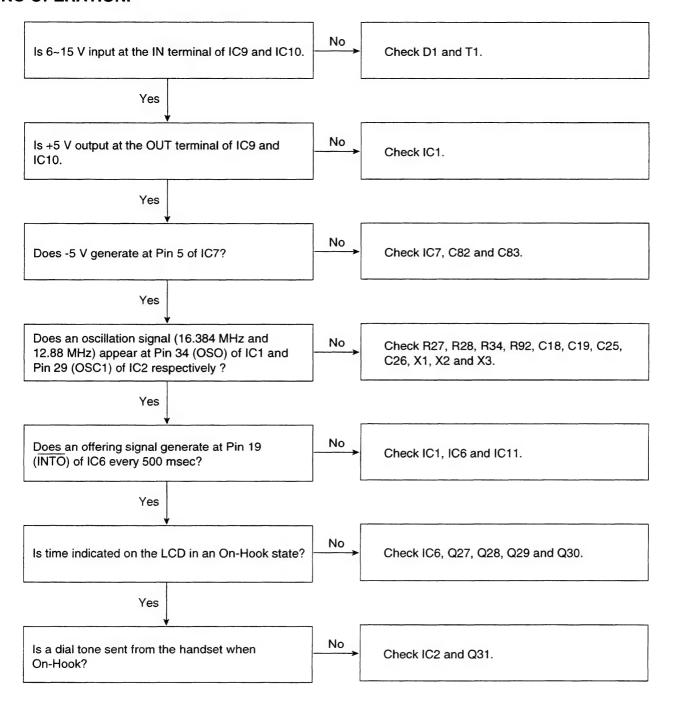
2) Reception signal path

The voice serial data transmitted from PBX is sent to IC2 by the serial transmission. Then the signal is outpout from the handset speakerphone after performing the network control, gain control, and A/D conversion in IC2. The SP-phone microphone has the mute function, which interrupts the input signal with the analog switch and controls the port of IC2 with Q26.

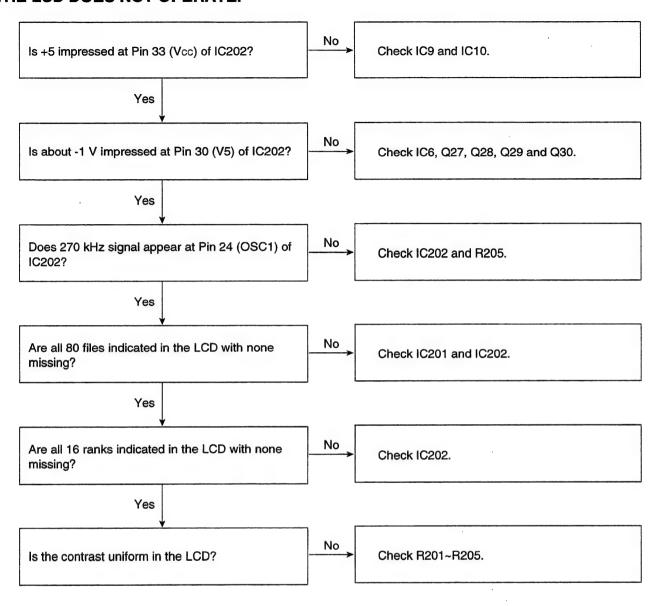
3) Circuit diagram for transmission/reception signal path Refer to page 39.

TROUBLESHOOTING GUIDE

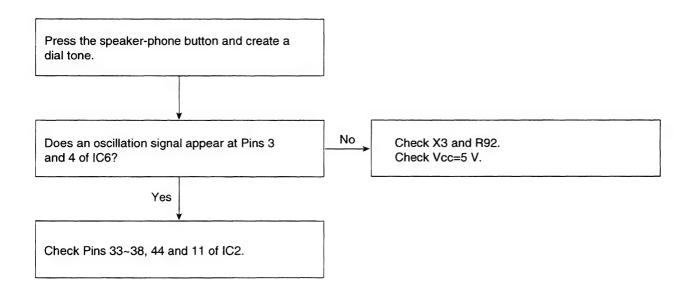
1. NO OPERATION.



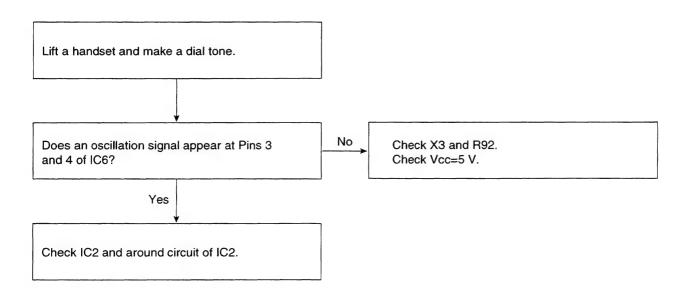
2. THE LCD DOES NOT OPERATE.



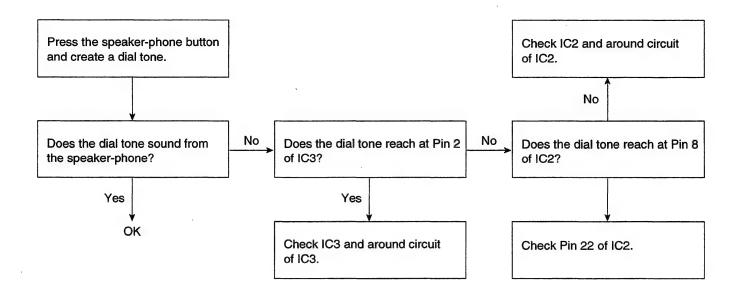
3. THE ELECTRONIC VOLUME OF THE SPEAKER-PHONE DOES NOT WORK.



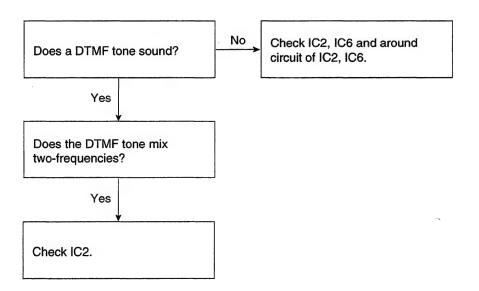
4. THE ELECTRONIC VOLUME OF THE HANDSET DOES NOT WORK.



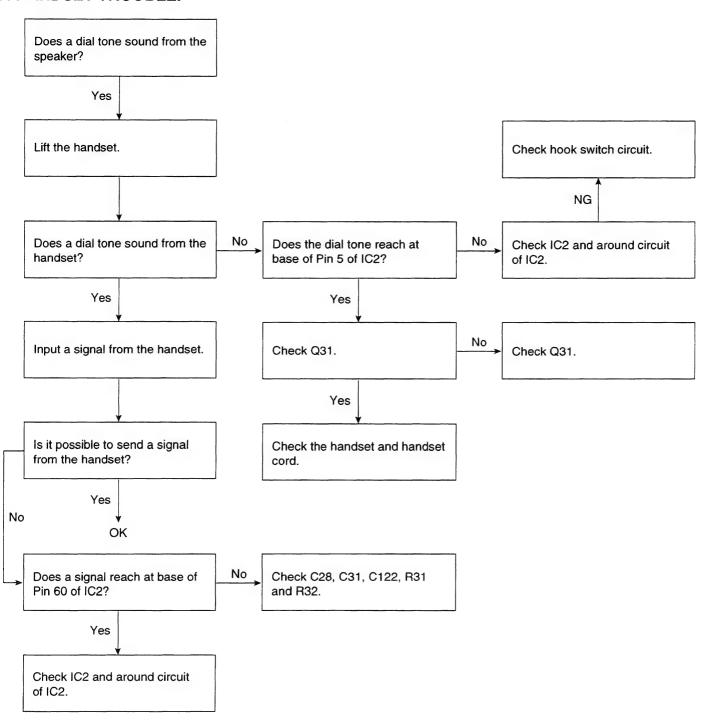
5. SPEAKER-PHONE TROUBLE.



6. TONE DIAL TROUBLE.



7. HANDSET TROUBLE.



TERMINAL GUIDE OF IC'S, TRANSISTORS AND DIODES

PQVIMC34119D	PSVIBA05FP	31 45 46 46 46 46 46 46 46 46 46 46	PSVII24019T1	PQVINJM319V
PQVINJM2904F PQVINJU7660M	64 65 65 80 1 PSVI44780B24	51 80 80 31 30 100 1 PQVILC7931D	33 32 48 49 64 17 16 PSVIBU65050D	48 49 49 64 1 PSVI40612A04
2SA1576Q, PQV PQVTDTA143XI PQVTDTD133H	U, UN5213	PQVDS1ZB60F1	Cathode RLS71	Cathode Anode PSVDUDZ39B
Green Anode Cathode PQVDPY1204	Green Anode Cathode PQVDBR1102W PQVDPY1102	Anode Cathode PSVD111R820R		1

HOW TO REPLACE THE FLAT PACKAGE IC

If you do not have the special tools (for example: SPOT HEATER) to remove the SPOT HEATER'S Flat IC, if you have solder (large amount) a soldering iron and a cutter knife, you can easily remove IC's even though large than 100 pin.

1. PREPARATION

· SOLDER _ _ _ _ Sparkle Solder 115A-1, 115B-1

OR

Almit Solder KR-19, KR-19RMA

· Soldering iron - - - - Recommended power consumption is between 30 W to 40 W.

Temperature of Copper Rod 662 \pm 50 °F (350 \pm 10°C)

(An expert may handle a 60~80 W iron, but a beginner might

damage the foil by overheating.)

· Flux - - - - - - - HI115 Specific gravity 0.863

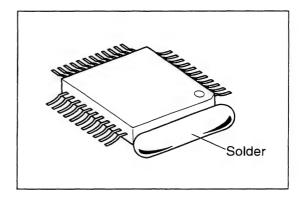
(Original flux should be replaced daily.)

2. FLAT PACKAGE IC REMOVE PROCEDURE

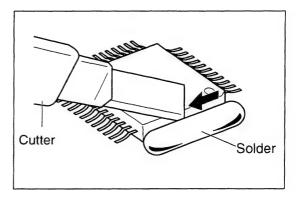
 When all of the IC lead can not been seen at the standard degree, fill with large quantities of solder.

Note:

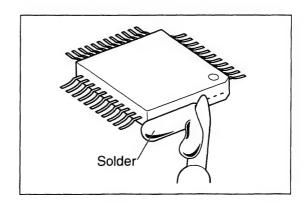
If you do not fill with solder and directly cut the IC lead with the cutter, stress may build up directly in the P.C.board's pattern. If you do not fill with large quantities of solder as in step 1 the P.C.board pattern may be removed.



Using a cutter, cut the lead at the source.(Cut the contents with the cutter lightly 5 or 6 times.)



Remove when the solder melts.
 (Remove the lead at the same time.)



After removing the Flat IC and when attaching the new IC, remove any of the excess solder on the land using the soldering wire, etc. If the excess solder is not removed from the land, the IC will slip and not be attached properly.

3. FLAT PACKAGE IC INSTALLATION PROCEDURE

1) Temporarily fix the FLAT PACKAGE IC by soldering on the two marked pins.

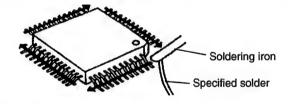


*Check the accuracy of the IC setting with the corresponding soldering foil.

2) Apply flux to all pins of the FLAT PACKAGE IC.

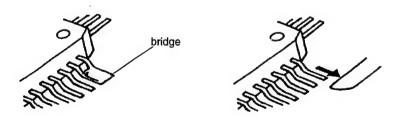


3) Solder using the specified solder, in the direction of the arrow, by sliding the soldering iron.



4. BRIDGE MODIFICATION PROCEDURE

- 1) Lightly re-solder the bridged portion.
- 2) Remove the remaining solder along the pins using a soldering iron as shown in the figure below.



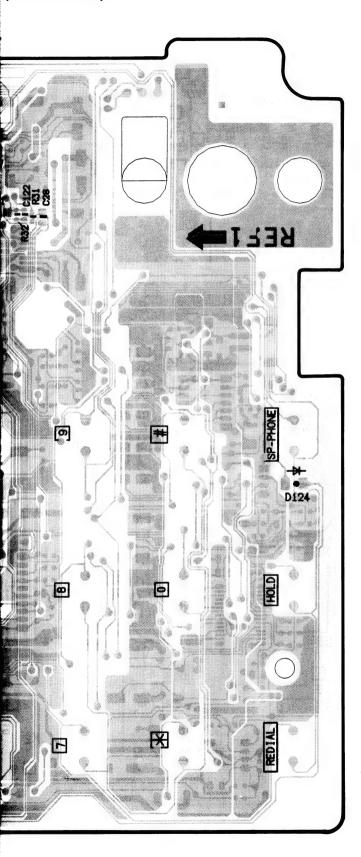
MEMO

KX-T7433C/KX-T7433C-B PRINTED CIRCUIT BOARD (BOTTOM V 8

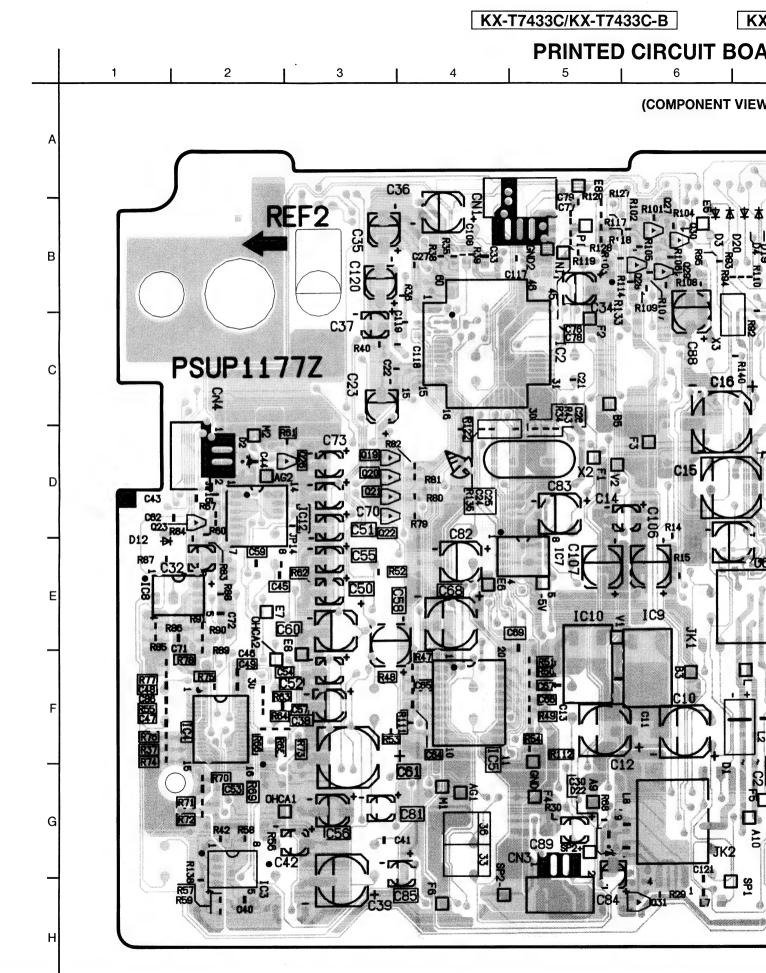
BOARD (MAIN BOARD)

7 | 8 | 9 | 10 | 11 | 12

(BOTTOM VIEW)



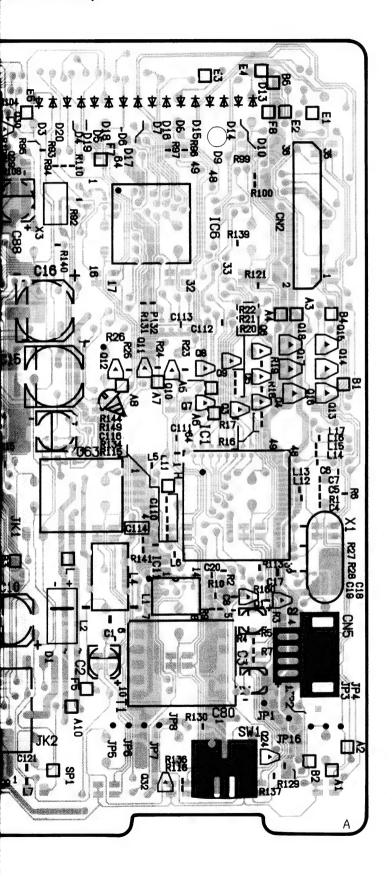
- Notes: 1. The circuit shown in on the conductor indicates printed circuit on the back side of the printed circuit board
 - 2. The circuit shown in ____ on the conductor indicates printed circuit on the front side of the printed circuit board.
 - 3. This printed circuit board may be modified at any time with the development of new technology.



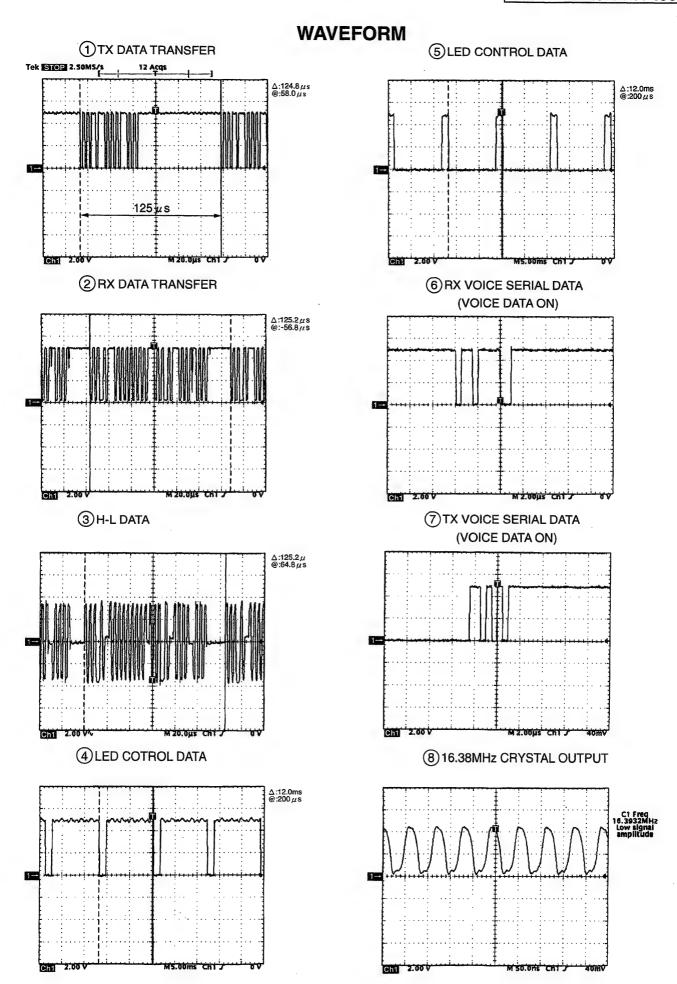
CUIT BOARD (MAIN BOARD)

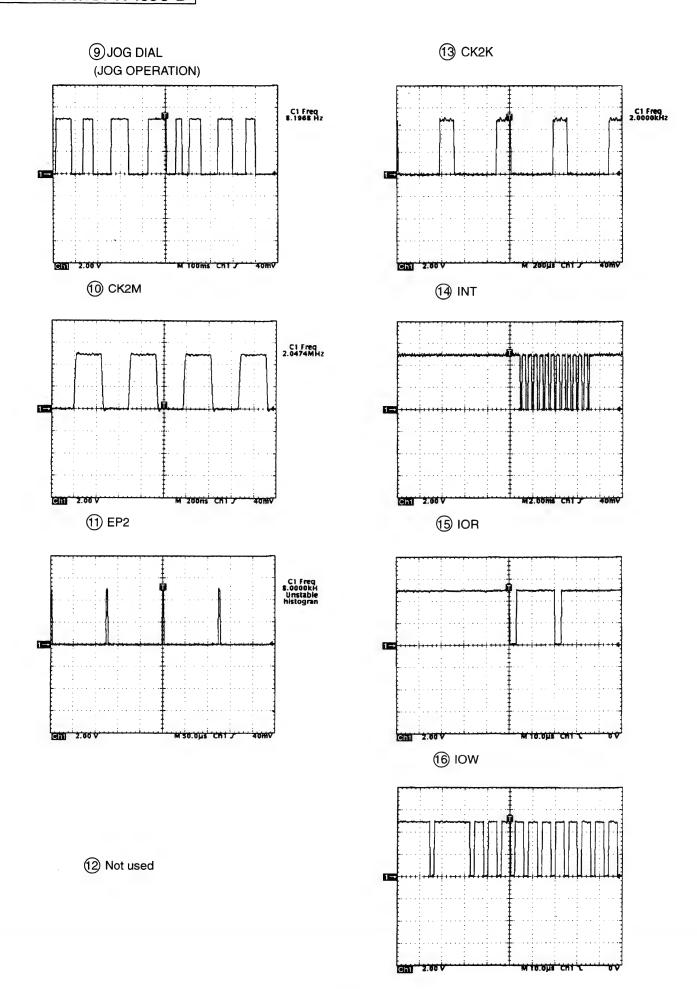
7 | 8 | 9 | 10 | 11 | 12

PONENT VIEW)



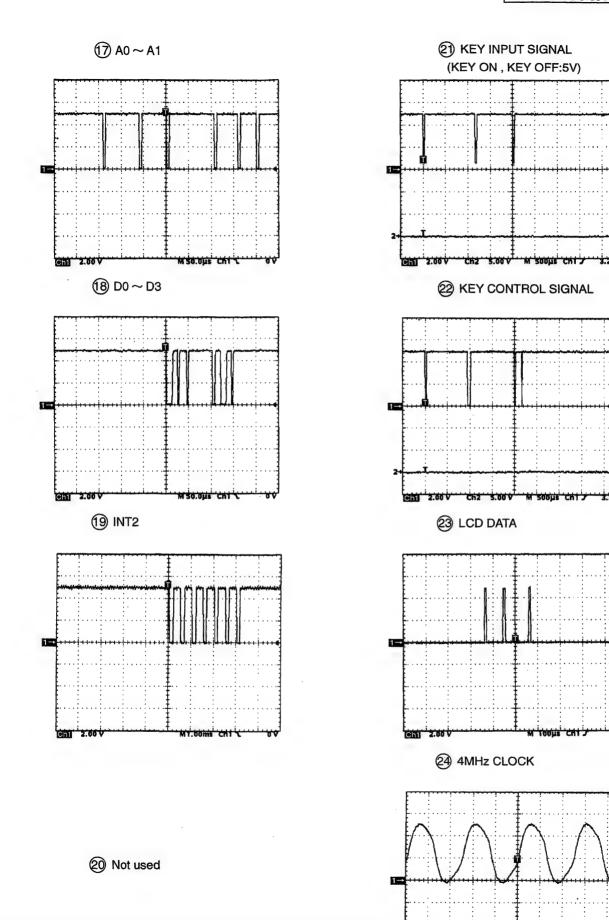
- **lotes:** 1. The circuit shown in _____ on the conductor indicates printed circuit on the back side of the printed circuit board.
 - 2. The circuit shown in ____ on the conductor indicates printed circuit on the front side of the printed circuit board.
 - 3. This printed circuit board may be modified at any time with the development of new technology.

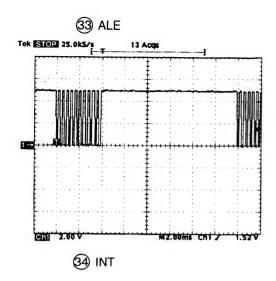


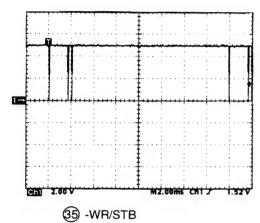


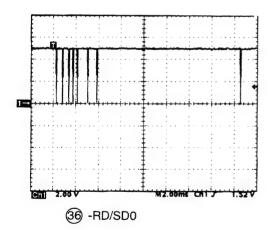
KX-T7433C/KX-T7433C-B

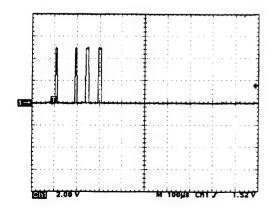
C1 Freq 4.0160MHz





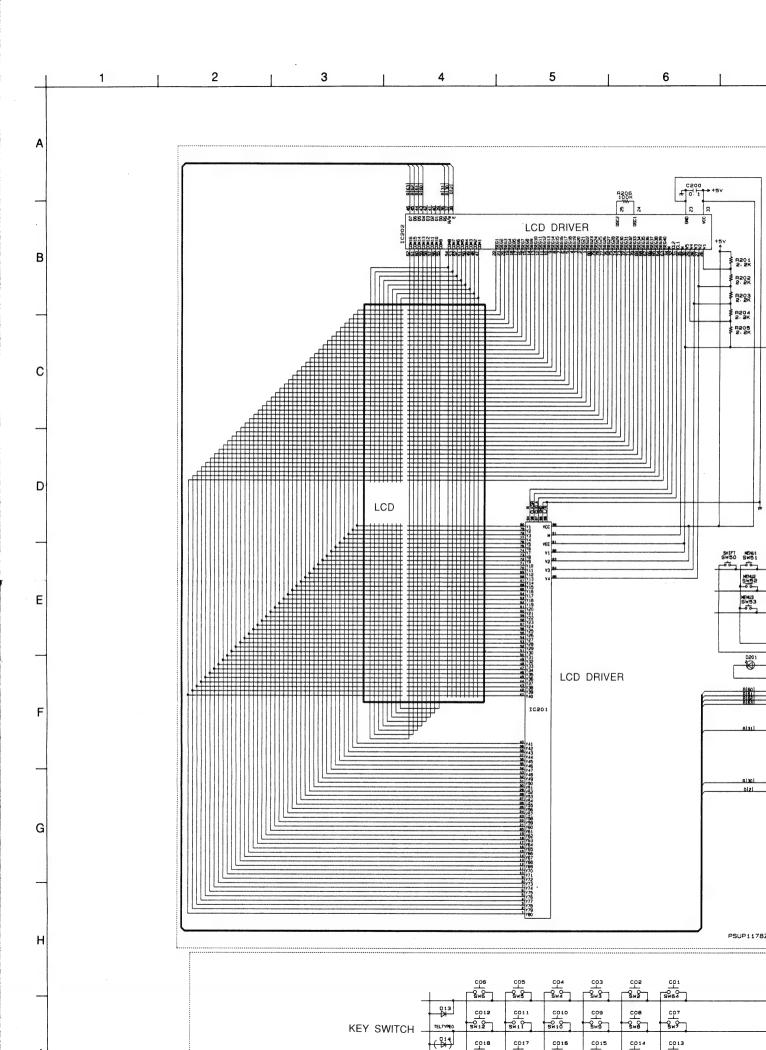




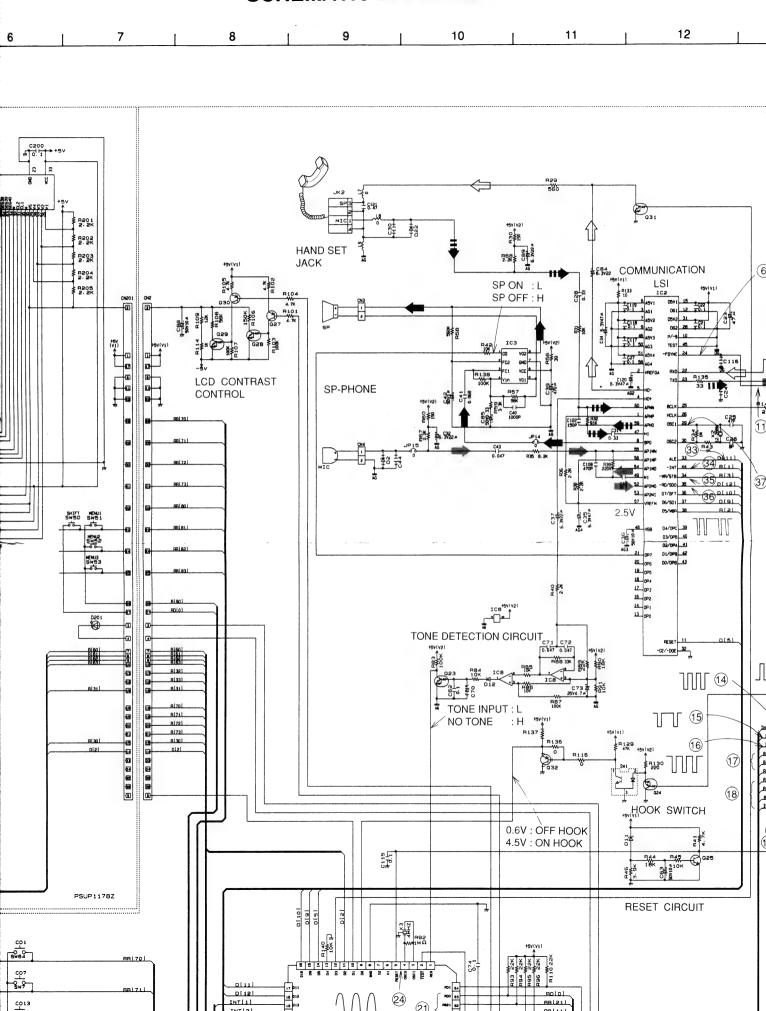


Note:



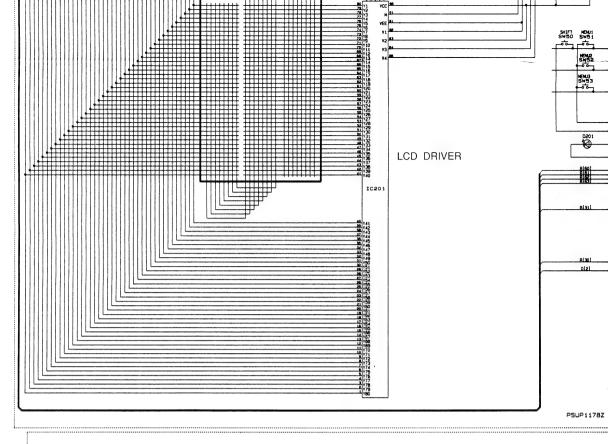


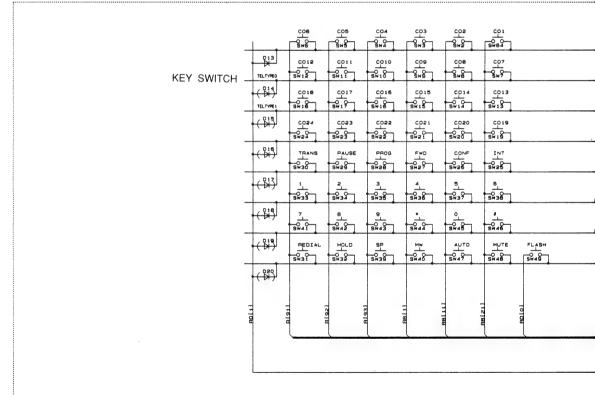
SCHEMATIC DIAGRAM



13 15 16 14 17 W. DPITS **GATE ARRAY** (6) > PBX 7 XDP JACK REGULATOR SECTION 32 42 N. C N. C 13 EP0 EP1 11 35 B(3) 36 0[10] B(S)]][13 T 14 012 D124 17 (5) D130 R[22] 18 014 INT[2] 19 RESET : H5V C 16 (C 16 (B) 3 1000 # A NORMAL: L 0V M

JOG SWITCH





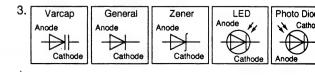
Notes:

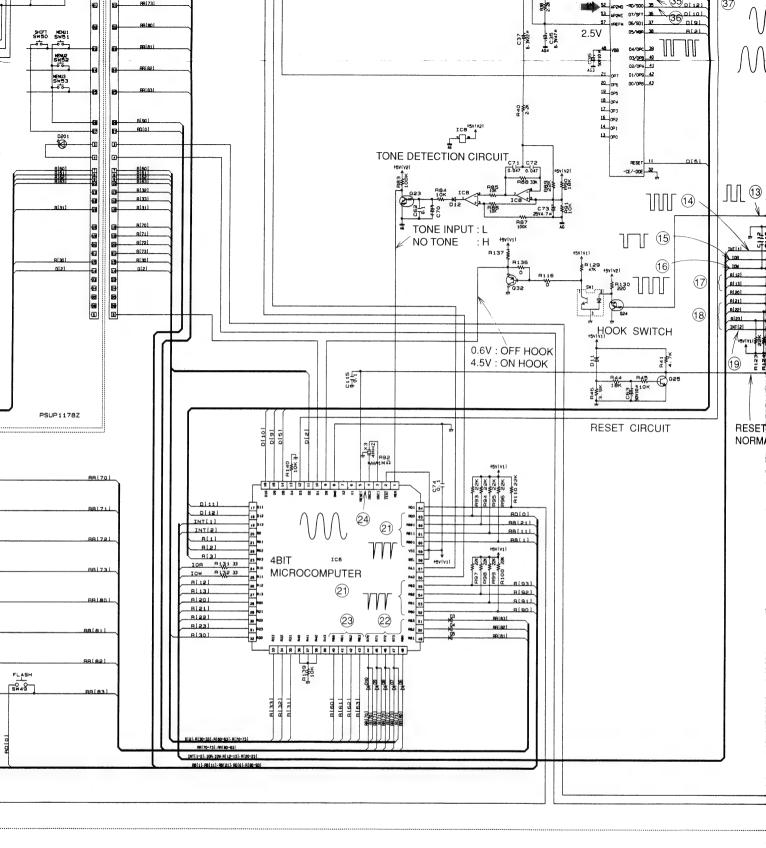
М

Ε

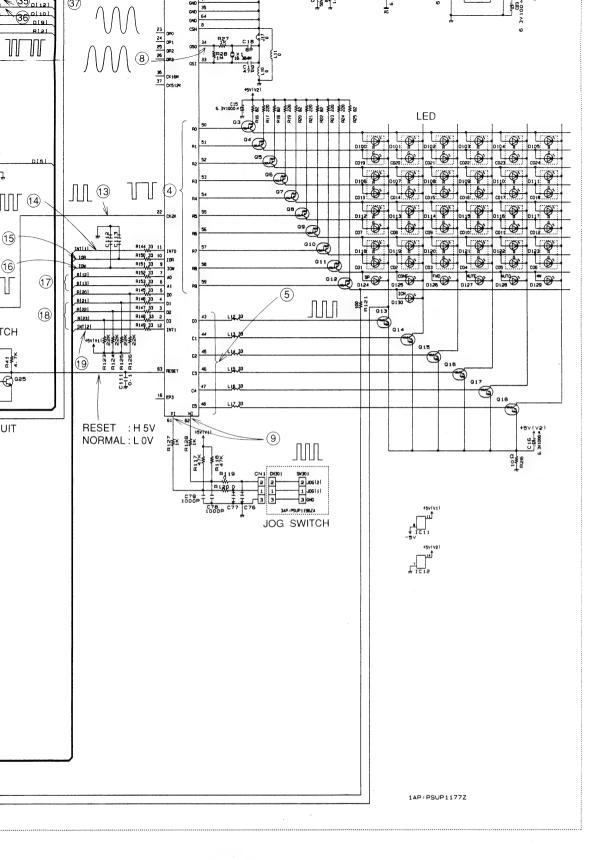
G

- DC voltage measurements are taken with oscilloscope from ground line. (Waiting condition)
- 2. The schematic diagram may be modified at any time with the development of new technology.









SP-PHONE RECEPTION

SP-PHONE TRANSMISSION

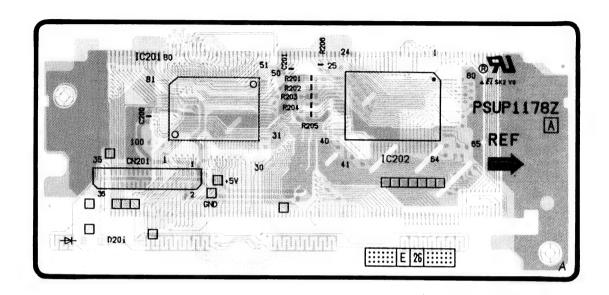
HANDSET RECEPTION

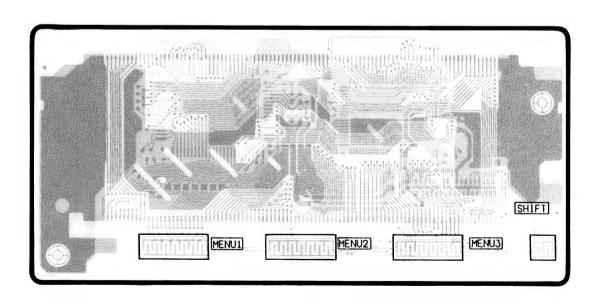
HANDSET TRANSMISSION

PRINTED CIRCU

2 3 4 5

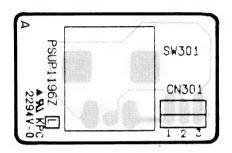
В



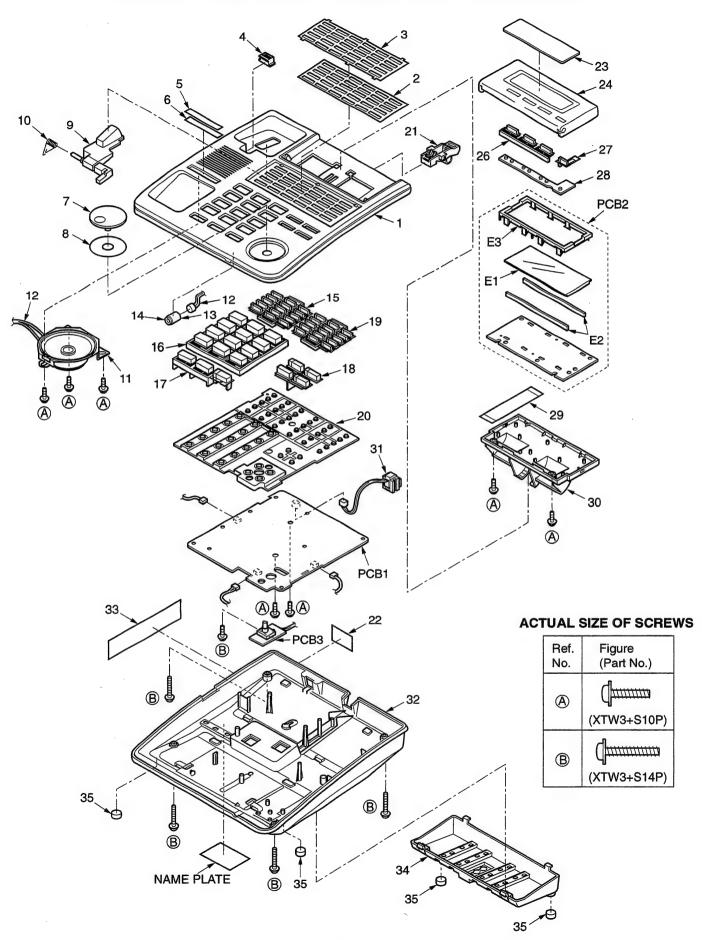


CIRCUIT BOARD

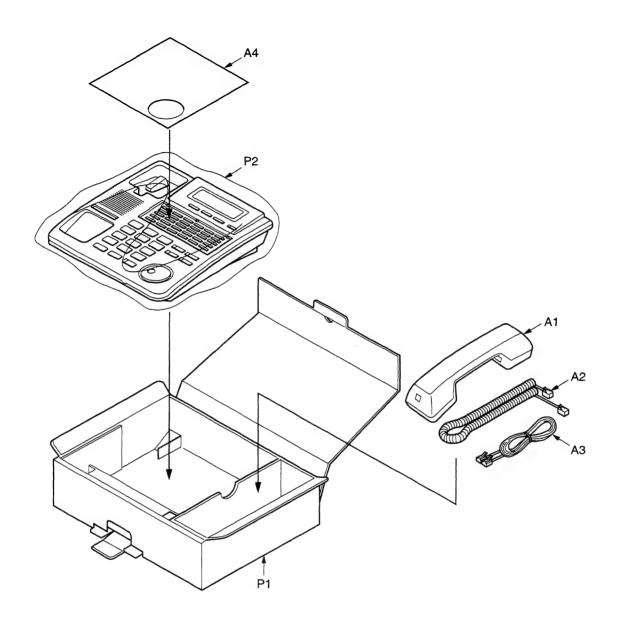
7 | 8 | 9 | 10 | 11 | 12 |



CABINET AND ELECTRICAL PARTS LOCATION



ACCESSORIES AND PACKING MATERIALS



This replacement parts list is for KX-T7433C/T7433C-B only. Refer to the simplified manual (cover) for other areas.

								T
	REP	LACEME	NT PARTS LIS	Т	Ref. No.	Part No.	Part Name & Description	P
		Mode	el KX-T7433C/KX	K-T7433C-B	27	PSBC1013Z2	BUTTON, SHIFT (KX-T7433C-B)	十
		•			28	PSSX1007Z	KEY SWITCH	1
tes:					29	PSJE1011Z	FLAT CABLE	1
he markin	g (RTL) indicates	that the Ret	ention Time is limite	d for this item.	11			i
iter the di	scontinuation of the	his assembly	in production, the it	tem will continue to	30	PSKF1025Z1	CABINET, GRILL LOWER (KX-T7433C)	
available	for a specific per	iod of time.	The retention period	d of availability is	30	PSKF1025Z2	CABINET, GRILL LOWER (KX-T7433C-B)	1
pendent c	on the type of ass	embly, and i	n accordance with th	ne laws governing	31	PSJJ1T017Z	JACK, TEL.	1
rt and pro	duct retention. At	fter the end	of this period, the as	sembly will no	32	PSKF1024Z1	CABINET, LOWER (KX-T7433C)	
nger be av	vailable.				32	PSKF1024Z2	CABINET, LOWER (KX-T7433C-B)	1
he S marl	k indicates service	standard pa	arts and may differ fo	rom production.	33	PSQT1309X	LABEL, CAUTION (KX-T7433C)	1
ESISTOR	S & CAPACITOR	S			33	PSQT1309W	LABEL, CAUTION (KX-T7433C-B)	1
Inless othe	erwise specified.				34	PSKL1005Z1	STAND (KX-T7433C)	
	are in ohms(Ω)				34	PSKL1005Z2	STAND (KX-T7433C-B)	1
	rs are in MICRO F	ARADS(μF) P=μμF		35	PSHA1002Z	RUBBER PARTS, FOOT	1
Type &Wa	attage of Resistor							
Туре								
RC:Solid	ERX:Metal		4R:Carbon			ACCESSORIES A	ND PACKING MATERIALS	
RD:Carbon	ERG:Metal	Oxide EF	S:Fusible Resistor					
QRD:Carbo	on ER0:Metal F	Film EF	F:Cement Resistor		A1	PQJX2PS409Z	HANDSET (KX-T7433C)	T
Wattage					A1	PQJX2PM409Z	HANDSET (KX-T7433C-B)	
,16:1/8W	14,25:1/4W	12:1/2	W 1:1W	2:2W 3:3W	A2	PSJA1043Z	CORD, HANDSET (KX-T7433C)	1
ype & Vo	Itage of Capacitor				A2	PSJA1043Y	CORD, HANDSET (KX-T7433C-B)	1
Туре					АЗ	PQJA48W	CORD, TEL.	1
CFD:Semi-	-Conductor	ECCD,EC	(D,ECBT,PQCBC : (Ceramic	A4	PSGD1040Z	CARD, OVERLAY	
QS:Styro			QV,ECQG : Polyster					1
QCUV:Chi			SZ : Electrolytic		P1	PSPK1361Z	GIFT BOX (KX-T7433C)	1
CQMS:Mic			olypropylene		P1	PSPK1413Z	GIFT BOX (KX-T7433C-B)	
Voltage					P2	PQPP170Z	BAG,POLYETHYLENE	
Q Type	ECQG	ECSZ Typ	e Oth	ers	11			1
	ECQV Type				1L			
1: 50V	05: 50V	0F:3.15V	0J :6.3V	1V :35V			MAIN BOARD PARTS	
4:100V	1:100V	1A:10V						
		IA: IUV	1A :10V	50,1H:50V	11			
E:250V	2:200V	1V:35V	1C :16V	1J :63V	PCB1	PSWP1T7433C	MAIN BOARD ASS'Y (RTL)	Τ
E:250V H:500V	2:200V				PCB1	PSWP1T7433C	MAIN BOARD ASS'Y (RTL)	
E:250V H:500V		1V:35V 0J:6.3V	1C :16V 1E,25:25V	1J :63V 2A :100V	PCB1	PSWP1T7433C		
E:250V	2:200V Part No.	1V:35V 0J:6.3V	1C :16V	1J :63V 2A :100V			(ICs)	
E:250V H:500V	Part No.	1V:35V 0J:6.3V	1C :16V 1E,25:25V rt Name & Description	1J :63V 2A :100V] IC1	PSVIBU65050D	(ICs)	
E:250V H:500V	Part No.	1V:35V 0J:6.3V	1C :16V 1E,25:25V	1J :63V 2A :100V	IC1	PSVIBU65050D PSVITC5324F2	(ICs) IC IC	
E:250V H:500V Ref. No.	Part No.	1V:35V 0J:6.3V Pa	1C :16V 1E,25:25V rt Name & Description	1J :63V 2A :100V	IC1 IC2 IC3	PSVIBU65050D PSVITC5324F2 PQVIMC34119D	(ICs) IC IC	
E:250V H:500V Ref. No.	Part No.	1V:35V 0J:6.3V Pa CABINET AI	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA	1J :63V 2A :100V	IC1 IC2 IC3 IC6	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04	(ICs) IC IC IC	
E:250V H:500V Ref. No.	Part No.	1V:35V 0J:6.3V Pa CABINET AI CABINET CABINET	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-E	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M	(ICs) IC IC IC IC	
E:250V H:500V Ref. No.	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z	1V:35V 0J:6.3V Pa CABINET AI CABINET CABINET CARD, DIA	1C :16V 1E,25:25V IT Name & Description IND ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-E) IL (KX-T7433C)	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7 IC8	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJU7660M	(ICs) IC	
E:250V H:500V Ref. No.	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z SGD1026Z SGD1033Z	1V:35V 0J:6.3V Pa CABINET AI CABINET CABINET CARD, DIA CARD, DIA	1C :16V 1E,25:25V IT Name & Description ND ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C) NL (KX-T7433C-B)	1J :63V 2A :100V 2D PCS PTS 1 1 1 1 1 1	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJW2904F PSVIBA05FP	(ICs) IC IC IC IC IC IC IC IC IC	
E:250V H:500V Ref. No.	Part No. SKM1052Z1 SKM1052Z2 SGQ1026Z SGQ1026Z SGQ1033Z SHR1134Z	CABINET AI CABINET AI CABINET CABINET CARD, DIA CARD, DIA TRANSPA	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODPY (KX-T7433C) BODPY (KX-T7433C-B) IL (KX-T7433C-B) RENT PLATE	1J :63V 2A :100V 2D PCS PTS 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V	(ICs) IC	
E:250V H:500V Ref. No.	Part No. SKM1052Z1 SKM1052Z2 SGQ11026Z SGQ1033Z SHR1134Z 2KE82X1	Pa CABINET AI CABINET AI CABINET CARD, DIA CARD, DIA TRANSPA HANGER	1C :16V 1E,25:25V IT Name & Description ND ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-ELL (KX-T7433C-EL) LL (KX-T7433C-EL) RENT PLATE KX-T7433C)	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJW2904F PSVIBA05FP	(ICs) IC IC IC IC IC IC IC IC IC	
E:250V H:500V Ref. No.	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z SGD1033Z SGHR1134Z SKE82X1	Pa CABINET AI CABINET AI CABINET CABINET CARD, DIA CARD, DIA TRANSPA HANGER HANGER	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-B) IL (KX-T7433C-B) RENT PLATE KX-T7433C) KX-T7433C-B)	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V	(ICs) IC	
E:250V H:500V Ref. No.	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z SGD1033Z SHR1134Z SKE82X1 SKE82X3 SHR576Z	TRANSPA	1C :16V 1E,25:25V IT Name & Description IND ELECTRICAL PA BODY (KX-T7433C-E) IL (KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V	(ICs) IC	8
E:250V 4:500V Ref. No. PS PS PS PS PS PC PC	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z SGD1033Z SHR1134Z JKE82X1 JKE82X3 JHR576Z QHP532X	TRANSPA CARD, TEANSPA CARD, TE	1C :16V 1E,25:25V IT Name & Description ND ELECTRICAL PA BODY (KX-T7433C-E) IL (KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE L. NO.	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V	(ICs) IC	8
E:250V 4:500V Ref. No. PS PS PS PS PS PC PC	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z SGD1033Z SHR1134Z SKE82X1 SKE82X3 SHR576Z	TRANSPA CARD, TEANSPA CARD, TE	1C :16V 1E,25:25V IT Name & Description IND ELECTRICAL PA BODY (KX-T7433C-E) IL (KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11 SW1	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V PSVII24019T1	(ICs) IC	6
E:250V H:500V Ref. No.	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z SGD1033Z SHR1134Z JKE82X1 JKE82X3 JHR576Z QHP532X	Pa CABINET AN CABINET AN CABINET CARD, DIA CARD, DIA TRANSPA HANGER HANGER TRANSPA CARD, TE BUTTON,	1C :16V 1E,25:25V IT Name & Description ND ELECTRICAL PA BODY (KX-T7433C-E) IL (KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE L. NO.	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11 SW1	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V PSVII24019T1	(ICs) IC	
E:250V H:500V Ref. No.	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z SGD1026Z SGD1134Z SKE82X1 SKE82X1 SKE82X3 SKE82X3 SKE92X3 SKE92X3 SKE92X3 SKE92X3 SKE92X3 SKE92X3 SKE92X3 SKE92X3	Pa CABINET AN CABINET AN CABINET CARD, DIA CARD, DIA TRANSPA HANGER HANGER TRANSPA CARD, TE BUTTON,	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE L. NO. IOG DIAL (KX-T7433C-B)	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11 SW1	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V PSVII24019T1	(ICs) IC	
::250V d:500V lef. No. PS PS PS PS PC PC PC PC PS PS	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z SGD1026Z SGD1033Z SGHR1134Z JKE82X3 JHR576Z JHP532X SBC1012Z1 SBC1012Z1	Pa CABINET AI CABINET AI CARD, DIA CARD, DIA TRANSPA HANGER HANGER HANGER TRANSPA CARD, TE BUTTON, SPACER	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE L. NO. IOG DIAL (KX-T7433C-B)	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11 SW1	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V PSVII24019T1	(ICs) IC	
E:250V 1:500V ef. No. PS PS PS PS PS PS PS PS PS PS PS PS PS P	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z SGD1033Z SHR1134Z SKE82X1 SKE82X3 SHR576Z SHP532X SBC1012Z1 SBC1012Z1 SBC1012Z2 SHR1164Z	TRANSPA CARD, TE BUTTON, SPACER BUTTON,	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-E) AL (KX-T7433C-B) RENT PLATE L NO. JOG DIAL (KX-T7433C) JOG DIAL (KX-T7433C)	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11 SW1	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V PSVII24019T1	(ICs) IC	
E:250V 1:500V ef. No. PS PS PS PS PS PS PS PS PS PS PS PS PS P	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z SGD1033Z SHR1134Z SKE82X1 SKE82X3 SHR576Z SHP532X SBC1012Z1 SBC1012Z1 SBC1012Z2 SHR1164Z SBH1002Z1	TRANSPA CARD, TE BUTTON, SPACER BUTTON,	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C-E) AL (KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE L. NO. IOG DIAL (KX-T7433 HOOK (KX-T7433C)	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11 SW1	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V PSVII24019T1 2SA1576Q PQVTDTA143XU PQVTDTD133HK	(ICS) IC	8
## PS	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z SGD1033Z SHR1134Z SKE82X1 SKE82X3 SHR576Z SHP532X SBC1012Z1 SBC1012Z1 SBC1012Z2 SHR1164Z SBH1002Z1	TRANSPA CARD, TE BUTTON, SPACER BUTTON,	1C :16V 1E,25:25V TR Name & Description ND ELECTRICAL PA BODY (KX-T7433C-E) NL (KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE L. NO. IOG DIAL (KX-T7433 HOOK (KX-T7433C)	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11 SW1	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V PSVII24019T1 2SA1576Q PQVTDTA143XU PQVTDTD133HK UN5213	(ICs) IC	
## PS	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z SGD1026Z SGD1033Z SHR3134Z SKE82X3 SHR576Z SHP532X SBC1012Z1 SBC1012Z1 SBC1012Z2 SHR1164Z SBH1002Z1 SBH1002Z1 SBH1002Z2 SUS1006Z	Pa CABINET AI CABINET AI CARD, DIA CARD, DIA TRANSPA HANGER HANGER HANGER TRANSPA CARD, TE BUTTON, SPACER BUTTON, BUTTON, SPRING	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE L. NO. JOG DIAL (KX-T7433C-B) HOOK (KX-T7433C-B) HOOK (KX-T7433C-B)	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11 SW1 Q1,2 Q3-12 Q13-18 Q23 Q24	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V PSVII24019T1 2SA1576Q PQVTDTA143XU PQVTDTD133HK UNS213 PQVTDTA143XU	(ICs) IC	
## PS	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z SGD1033Z SHR1134Z SKE82X1 SKE82X3 SHR576Z SHP532X SHC1012Z1 SBC1012Z1 SBC1012Z2 SHR1164Z SBH1002Z1 SBH1002Z2 SUS1006Z SAS65P28Z	Pacabinet are cabinet are cabinet are cabinet are card, directly card, directly card, directly card, directly card, directly card, directly card, are card, te button, spacer button, spacer button, button, spring speaker	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-E) AL (KX-T7433C-B) RENT PLATE L. NO. JOG DIAL (KX-T7433C-B) ROBING DIAL (KX-T7433C-B) ROBING DIAL (KX-T7433C-B) ROBING DIAL (KX-T7433C-B) ROBING DIAL (KX-T7433C-B) ROCK (KX-T7433C-B) ROCK (KX-T7433C-B)	1J :63V 2A :100V 2D :	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11 SW1 Q1,2 Q3-12 Q13-18 Q23 Q24 Q25	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V PSVII24019T1 2SA1576Q PQVTDTA143XU PQVTDTD133HK UN5213 PQVTDTA143XU 2SC4081Q	(ICs) IC IC IC IC IC IC IC IC IC SIC IC I	
E:250V d:500V ef. No. PS PS PS PS PS PS PS PS PS PS PS PS PS P	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z SGD1033Z SHR1134Z SKE82X3 SHR576Z SHR57	TANSPA CABINET AI CABINET AI CABINET AI CABINET AI CARD, DIA TRANSPA CARD, TE BUTTON, BUTTON, BUTTON, BUTTON, SPRING SPEAKER CONNECT	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C-B) RENT PLATE L. NO. IOG DIAL (KX-T7433C-B) RENT PLATE L. NO. IOG DIAL (KX-T7433C-B) HOOK (KX-T7433C-B)	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11 SW1 Q1,2 Q3-12 Q13-18 Q23 Q24 Q25 Q27	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V PSVII24019T1 2SA1576Q PQVTDTA143XU PQVTDTD133HK UNS213 PQVTDTA143XU 2SC4081Q 2SA1576Q	(ICs) IC IC IC IC IC IC IC IC IC SIC IC I	
## PS	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z SGD1026Z SGD1033Z SHR1134Z JKE82X1 JKE82X1 JKE82X3 JHR576Z JHP532X SBC1012Z1 SBC1012Z1 SBC1012Z2 SBH1104Z SBH1002Z1 SBH1002Z1 SBH1002Z1 SBH1002Z1 SBH1002Z1 SBH1002Z1 SHR1164Z SBH1002Z1 SHR1164Z SHR1	Pa CABINET AI CABINET AI CABINET CARD, DIA CARD, DIA CARD, DIA CARD, DIA CARD, TE BUTTON, BUTT	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE L NO. JOG DIAL (KX-T7433C) HOOK (KX-T7433C-B)	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11 SW1	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJW2904F PSVIBA05FP PQVINJM319V PSVII24019T1 2SA1576Q PQVTDTA143XU PQVTDTD133HK UN5213 PQVTDTA143XU 2SC4081Q UN5213 2SA1576Q UN5213	(ICs) IC	
PS P	Part No. SKM1052Z1 SKM1052Z2 SKM1052Z2 SGD1026Z SGD1026Z SGD1033Z SKH81134Z SKE82X3 SHR576Z SHR576Z SHR576Z SHR1164Z SBH1002Z1 SBH1002Z2 SUS1006Z SAS65P28Z SAS65P28Z SAS92Q35Z IM142Z SHG112ZZ	TANSPA HANGER HA	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE L. NO. JOG DIAL (KX-T7433C-B) HOOK (KX-T7433C-B)	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11 SW1 Q1,2 Q3-12 Q13-18 Q23 Q24 Q25 Q27 Q28,29	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V PSVII24019T1 2SA1576Q PQVTDTA143XU PQVTDTD133HK UN5213 PQVTDTA143XU 2SC4081Q 2SA1576Q UN5213	(ICs) IC	
PS P	Part No. SKM1052Z1 SKM1052Z1 SKM1052Z2 SGD1026Z SGD1026Z SGD1033Z SHR3134Z SKE82X3 SHR576Z SHP532X SBC1012Z1 SBC1012Z1 SBC1012Z2 SHR1164Z SBH1002Z1 SBH1002Z1 SBH1002Z2 SUS1006Z SUS10	Pa CABINET AI CABINET AI CABINET CARD, DIA CARD, DIA TRANSPA CARD, TE BUTTON, SPACER BUTTON, BUTTON, SPACER BUTTON, BUTTON, SPACER BUTTON,	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-B) RENT PLATE L. NO. JOG DIAL (KX-T7433C-B) RENT PLATE L. NO. JOG DIAL (KX-T7433C-B) HOOK (KX-T7433C-B)	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11 SW1	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJW2904F PSVIBA05FP PQVINJM319V PSVII24019T1 2SA1576Q PQVTDTA143XU PQVTDTD133HK UN5213 PQVTDTA143XU 2SC4081Q UN5213 2SA1576Q UN5213	(ICs) IC	
E:250V H:500V Ref. No. PS PS PS PS PS PS PS PS PS PS	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z SGD1033Z SHR1134Z SKE82X1 SKE82X3 SHR576Z SHR576Z SHR576Z SHR576Z SHR576Z SHR1164Z SBH1002Z1 SBH1002Z1 SBH1002Z2 SUS1006Z SUS1	TANSPA CABINET AI CABINET AI CABINET AI CABINET AI CARD, DIA TRANSPA CARD, TE BUTTON, SPACER BUTTON, BUTTON, SPRING SPEAKER CONNECT MICROPH RUBBER I BUTTON, BUTTON, BUTTON, BUTTON,	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-E) BODY (KX-T7433C-E) IL (KX-T7433C-B) RENT PLATE L. NO. JOG DIAL (KX-T7433C) HOOK (KX-T7433C-E) HOOK (KX-T7433C-E) FARTS, MIC COVER 15KEY (KX-T7433C-E) 15KEY (KX-T7433C-E) 15KEY (KX-T7433C-E)	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11 SW1	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJW2904F PSVIBA05FP PQVINJM319V PSVII24019T1 2SA1576Q PQVTDTA143XU PQVTDTD133HK UN5213 PQVTDTA143XU 2SC4081Q UN5213 2SA1576Q UN5213	(ICs) IC	
E:250V H:500V Ref. No. PS PS PS PS PS PS PS PS PS PS PS PS PS P	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z SGD1033Z SHR1134Z SKE82X3 SHR576Z SHP532X SBC1012Z1 SBC1012Z1 SBH1002Z2 SHR1164Z SBH1002Z1 SBH1002Z2 SUS1006Z SAS65P28Z SJS02Q35Z IM14ZZ SHG112ZZ SBK1041Z1 SBK1041Z1 SBK1041Z1 SBK1041Z1 SBK1041Z1 SBK1041Z1 SBK1041Z1 SBK1041Z1 SBK1041Z1 SBK1041Z2 SBK1039Z1	Pa CABINET AI CABINET AI CABINET AI CABINET AI CARD, DIA CARD, TE BUTTON, BUTTON, SPRING SPEAKER CONNECT MICROPH RUBBER I BUTTON, BUTTON, BUTTON, SPING SPEAKER CONNECT MICROPH RUBBER I BUTTON,	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE L. NO. JOG DIAL (KX-T7433C-B) JOG DIAL (KX-T7433C-B) HOOK (KX-T7433C-B) TOR ONE PARTS, MIC COVER 15KEY (KX-T7433C-B) TISKEY (KX-T7433C-B)	1J :63V 2A :100V	IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11 SW1	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJW2904F PSVIBA05FP PQVINJM319V PSVII24019T1 2SA1576Q PQVTDTA143XU PQVTDTD133HK UN5213 PQVTDTA143XU 2SC4081Q UN5213 2SA1576Q UN5213	(ICS) IC	
PS P	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z SGD1026Z SGD1033Z SGHR1134Z JKE82X3 JHR576Z JKE82X3 JHR576Z SHR1164Z SBC1012Z1 SBC1012Z2 SHR1164Z SBH1002Z1 SGUS1006Z JAS65F28Z SJS02Q35Z JM142Z SHG112ZZ SBK1041Z1 SBX1041Z1 SBX1041Z2 SBX1041Z2 SBX1041Z2 SBX1039Z1 SBX1039Z2	Part CABINET AI CABINET AI CABINET AI CABINET AI CARD, DIA CARD, DIA CARD, TRANSPA HANGER HANGER HANGER BUTTON,	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE L NO. JOG DIAL (KX-T7433C-B) HOOK (KX-T7433C-B)	1J :63V 2A :100V	C1,2 Q3-12 Q1-18 Q24 Q25 Q27 Q28,29 Q30 Q31	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJM2904F PSVIBA05FP PQVINJM319V PSVII24019T1 2SA1576Q PQVTDTA143XU PQVTDTD133HK UNS213 PQVTDTA143XU 2SC4081Q 2SA1576Q UNS213 2SA1576Q PQVTFB1J3P	(ICs) IC	
E:250V H:500V Ref. No. PS PS PS PS PS PS PS PS PS PS PS PS PS P	Part No. SKM1052Z1 SKM1052Z1 SKM1052Z2 SGD1026Z SGD1026Z SGD1033Z SHR3134Z SKE82X3 SHR576Z SHR576Z SHR576Z SHR576Z SHR1164Z SBC1012Z1 SBC1012Z1 SBC1012Z2 SHR1164Z SBH100ZZ1 SBC1012Z2 SHR1164Z SBH100ZZ2 SUS1006Z SAS65P28Z SJS02Q35Z JM142Z SHG112ZZ SBX1041Z2 SBX1041Z2 SBX1041Z1 SBX1039Z1 SBX1039Z1 SBX1039Z2 SYX1001Z1	TANSPA HANGER HA	TC :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-B) BODY (KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE L. NO. L. OO. L. (KX-T7433C-B) RENT PLATE L. NO. LOG DIAL (KX-T7433C-B) COR ONE PARTS, MIC COVER 15KEY (KX-T7433C-B) DIAL (KX-T7433C-B)	1J :63V 2A :100V	C1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11 SW1 Q1,2 Q3-12 Q13-18 Q23 Q24 Q25 Q27 Q28,29 Q30 Q31	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V PSVII24019T1 2SA1576Q PQVTDTA143XU PQVTDTD133HK UN5213 PQVTDTA143XU 2SC4081Q 2SA1576Q UN5213 2SA1576Q PQVTFB1J3P PQVDS1ZB60F1	(ICs) IC	
E:250V H:500V Ref. No. PS PS PS PS PS PS PS PS PS PS PS PS PS P	Part No. SKM1052Z1 SKM1052Z1 SKM1052Z2 SGD1026Z SGD1026Z SGD1033Z SHR1134Z SHR576Z SHR976Z SH	Pa CABINET AI CABINET AI CABINET CARD, DIA CARD, DIA TRANSPA CARD, TE BUTTON, BUTTON, SPACER BUTTON, BUTTON, SPACER BUTTON,	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-B) RENT PLATE L. NO. JOG DIAL (KX-T7433C) JOG DIAL (KX-T7433C-B) RENT PLATE L. NO. JOG DIAL (KX-T7433C-B) RENT	1J :63V 2A :100V 2A :100V 2A :100V 3	C1,2 C3-12 C13-18 C2,10 IC7 IC8 IC9,10 IC11 SW1 C1,2 C3-12 C13-18 C23 C24 C25 C27 C28,29 C30 C31	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V PSVII24019T1 2SA1576Q PQVTDTA143XU PQVTDTD133HK UN5213 PQVTDTA143XU 2SC4081Q 2SA1576Q UNS213 2SA1576Q PQVTFB1J3P PQVTFB1J3P	(ICs) IC	
E:250V H:500V PS PS PS PS PS PS PS PS PS PS PS PS PS	Part No. SKM1052Z1 SKM1052Z2 SGD1026Z SGD1026Z SGD1033Z SHR1134Z SKE82X3 SCHR576Z SCHP532X SBC1012Z1 SBC1012Z1 SBC1012Z2 SHR1164Z SBH1002Z2 SHR1164Z SBH1002Z2 SHR1164Z SBH1002Z2 SHR1164Z SBH1002Z2 SHR1164Z SBH1002Z2 SHR1164Z SBH1002Z2 SSHR116Z2 SSHR116Z SSHR100Z2 SSHR116Z SSHR100Z2	TABINET AI CABINET AI CABINET AI CABINET AI CABINET AI CABINET AI CARD, DIA TRANSPA HANGER HA	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE L. NO. JOG DIAL (KX-T7433C-B) JOG DIAL (KX-T7433C-B) HOOK (KX-T7433C-B) TISHEY (KX-T7433C-B) TISHEY (KX-T7433C-B) TISHEY (KX-T7433C-B) TISKEY (KX-T7433C-B)	1J :63V 2A :100V	C1,2 C3-12 C13-12 C13-12 C11-18 C23-12 C13-18 C23 C24 C25 C27 C28,29 C30 C31	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V PSVII24019T1 2SA1576Q PQVTDTA143XU PQVTDTA143XU PQVTDTA143XU PSC4081Q 2SA1576Q UN5213 2SA1576Q PQVTFB1J3P PQVDS1ZB60F1 RLS71 PSVDUDZ39B	(ICS) IC	
E:250V H:500V Ps Ps Ps Ps Ps Ps Ps Ps Ps Ps Ps Ps Ps	Part No. SKM1052Z1 SKM1052Z1 SKM1052Z2 SGD1026Z SGD1026Z SGD1033Z SHR3176Z SKE82X3 SHR3176Z SHR3134Z SHR3176Z SHR318Z SHR31Z SHR318Z SHR318Z SHR318Z SHR318Z SHR318Z SHR318Z SHR318Z SHR31Z SHR318Z SHR31Z	Pa CABINET AI CABINET AI CABINET AI CABINET AI CABINET AI CARD, DIA CARD, TE BUTTON, BUTTON, BUTTON, SPRING SPEAKER CONNECT MICROPH RUBBER I BUTTON, BUT	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE L NO. IOG DIAL (KX-T7433C) HOOK (KX-T7433C-B) RENT PLATE L NO. IOG DIAL (KX-T7433C-B) REY (KX-T7433C-B)	1J :63V	C1,2 C3-12 C1-15 C2-16 C7-16 C8-16-10 IC11 SW1 C1,2 C3-12 C13-18 C23 C24 C25 C27 C28,29 C30 C31 C31 C31 C31 C31 C31 C31 C31 C31 C31	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJM2904F PSVIBA05FP PQVINJM319V PSVII24019T1 2SA1576Q PQVTDTA143XU PQVTDTD133HK UNS213 PQVTDTA143XU 2SC4081Q 2SA1576Q UNS213 2SA1576Q PQVTFB1J3P PQVDS1ZB60F1 RLS71 PSVDUDZ39B RLS71	(ICs) IC	
E:250V H:500V PS PS PS PS PS PS PS PS PS PS PS PS PS	Part No. SKM1052Z1 SKM1052Z1 SKM1052Z2 SGD1026Z SGD1026Z SGD1033Z SHR1134Z SKE82X3 SHR576Z SHR1164Z SBC1012Z1 SBC1012Z1 SBC1012Z2 SHR1164Z SBH1002Z1 SGH1164Z SBH100ZZ2 SUS1006Z SAS65P28Z SJS02Q35Z SHM142Z SHG112ZZ SBX1041Z1	TAMENTON, BUTTON, BUTT	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-B) BODY (KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE LNO. JOG DIAL (KX-T7433C-B) GONE PARTS, MIC COVER 15KEY (KX-T7433C-B) 15KEY (KX-T7433C-B) 3KEY (KX-T7433C-B)	1J :63V 2A :100V	C1 IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11 SW1 Q1,2 Q3-12 Q13-18 Q23 Q24 Q25 Q27 Q28,29 Q30 Q31 D1 D3-10 D11 D12,13 D100-123	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V PSVII24019T1 2SA1576Q PQVTDTA143XU PQVTDTD133HK UN5213 PQVTDTA143XU 2SC4081Q 2SA1576Q UN5213 2SA1576Q PQVTFB1J3P PQVDS1ZB60F1 RLS71 PSVDUDZ39B RLS71 PQVDPY1204	(ICs) IC	
E:250V H:500V Ref. No. PS PS PS PS PS PS PS PS PS PS PS PS PS P	Part No. SKM1052Z1 SKM1052Z1 SKM1052Z2 SGD1026Z SGD1026Z SGD1033Z SHR3176Z SKE82X3 SHR3176Z SHR3134Z SHR3176Z SHR318Z SHR31Z SHR318Z SHR318Z SHR318Z SHR318Z SHR318Z SHR318Z SHR318Z SHR31Z SHR318Z SHR31Z	TAMENTON, BUTTON, BUTT	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE L NO. IOG DIAL (KX-T7433C) HOOK (KX-T7433C-B) RENT PLATE L NO. IOG DIAL (KX-T7433C-B) REY (KX-T7433C-B)	1J :63V 2A :100V	C1,2 C3-12 C1-15 C2-16 C7-16 C8-16-10 IC11 SW1-10-12 C1,2 C3-12 C13-18 C23 C24 C25 C27 C28,29 C30 C31 C31 C31 C31 C31 C31 C31 C31 C31 C31	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V PSVII24019T1 2SA1576Q PQVTDTA143XU PQVTDTD133HK UN5213 PQVTDTA143XU 2SC4081Q 2SA1576Q UN5213 2SA1576Q PQVTFB1J3P PQVTFB1J3P PQVTFB1J3P	(ICs) IC	
## PS	Part No. SKM1052Z1 SKM1052Z1 SKM1052Z2 SGD1026Z SGD1026Z SGD1033Z SHR1134Z SKE82X3 SHR576Z SHR1164Z SBC1012Z1 SBC1012Z1 SBC1012Z2 SHR1164Z SBH1002Z1 SGH1164Z SBH100ZZ2 SUS1006Z SAS65P28Z SJS02Q35Z SHM142Z SHG112ZZ SBX1041Z1	TAMENTON, BUTTON, BUTT	1C :16V 1E,25:25V IT Name & Description ID ELECTRICAL PA BODY (KX-T7433C) BODY (KX-T7433C-B) RENT PLATE KX-T7433C-B) RENT PLATE L. NO. LOG DIAL (KX-T7433C-B) HOOK (KX-T7433C-B) HOOK (KX-T7433C-B) RENT PLATE L. NO. LOG DIAL (KX-T7433C-B) HOOK (KX-T743C-B) HOOK (KX-	1J :63V 2A :100V	C1 IC1 IC2 IC3 IC6 IC7 IC8 IC9,10 IC11 SW1 Q1,2 Q3-12 Q13-18 Q23 Q24 Q25 Q27 Q28,29 Q30 Q31 D1 D3-10 D11 D12,13 D100-123	PSVIBU65050D PSVITC5324F2 PQVIMC34119D PSVI40612A04 PQVINJU7660M PQVINJM2904F PSVIBA05FP PQVINJM319V PSVII24019T1 2SA1576Q PQVTDTA143XU PQVTDTD133HK UN5213 PQVTDTA143XU 2SC4081Q 2SA1576Q UN5213 2SA1576Q PQVTFB1J3P PQVDS1ZB60F1 RLS71 PSVDUDZ39B RLS71 PQVDPY1204	(ICs) IC	

CN1 CN2 CN3,4 CN5

PSJP03A05Z

PSJS36A61Z

PSJP02A05Z

PSJP04A05Z

(CONNECTORS)

CONNECTOR, 3P

CONNECTOR, 36P CONNECTOR, 2P

CONNECTOR, 4P

1 2

KEY SWITCH

LABEL, NOTE

BUTTON, ADJUST (KX-T7433C)

PANEL, LCD (KX-T7433C)

GRILLE (KX-T7433C-B)

PANEL, LCD (KX-T7433C-B) GRILLE (KX-T7433C)

BUTTON, 3KEY (KX-T7433C) BUTTON, 3KEY (KX-T7433C-B) BUTTON, SHIFT (KX-T7433C)

BUTTON, ADJUST (KX-T7433C-B)

PSSX1006Z

PSBE1002Z1

PSBE1002Z2

PQQT11166Z

PSGP1024Z1

PSGP1024Z2

PSGG1005Z1

PSGG1005Z2

Not Used PSBX1044Z1 PSBX1044Z2 PSBC1013Z1

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This replacement parts list is for KX-T7433C/T7433C-B only. Refer to the simplified manual (cover) for other areas.

ECEV1HA2R2N PSCEV1HA010 ECUV1H680JCV ECUV1H101JCV ECUV1H101JCV ECUV1H101JCV ECUV1H470JCV PSCEV1EA101	(CAPACITORS) 2.2 1 68P 100P		1	JP3		(RERSISTORS)	†
PSCEV1HA010 ECUV1H680JCV ECUV1H101JCV ECUV1H680JCV ECUV1H101JCV ECUV1H470JCV	1 68P 100P			Lipa			
ECUV1H680JCV ECUV1H101JCV ECUV1H680JCV ECUV1H101JCV ECUV1H470JCV	68P 100P				PQ4R18XJ000	0	1 1
ECUV1H101JCV ECUV1H680JCV ECUV1H101JCV ECUV1H470JCV	100P		1	JP5	PQ4R18XJ000	0	1 '
ECUV1H680JCV ECUV1H101JCV ECUV1H470JCV			1	JP7	PQ4R18XJ000	0	1 '
ECUV1H101JCV ECUV1H470JCV	loop		1	JP14,15	ERJ3GEY0R00	0	2
ECUV1H470JCV	68P		1	JP16	PQ4R18XJ000	0	1 1
	100P		1	J17	ERJ3GEY0R00	0	-
PSCEV1EA101	47P		2	11	İ		1
PSCEV1EA101			1	L7.8	PQ4R10XJ000	lo	2
	100		1	L10-17	ERJ3GEY0R00	lo	1 8
PQCUV1E104MD	0.1	S	i	1		ľ	1
PSCEV1EA101	100		1	R1,2,3	ERJ3GEYJ472	4.7K	
PQCUV1E104MD	0.1	S	1	R4	ERJ3GEYJ330	33	:
PSCEV1HA010	1	3	1 1	11			
PSCEV0JA102	1000			R5	ERJ3GEYJ471	470	
			2	R6	ERJ3GEYJ472	4.7K	1 '
PQCUV1E104MD	0.1	S	1	R7	ERJ3GEYJ330	33	1 1
ECUV1H080DCV	8P		1	R8,9	ERJ3GEYJ472	4.7K	2
ECUV1H470JCV	47P		1	11			1
			Ì	R10-13	ERJ3GEYJ472	4.7K	1 4
ECUV1H104ZFV	0.1	s	2	R14	ERJ3GEYJ122	1.2K	1 1
PSCEV0JA470	47	_	1	R15	ERJ3GEYJ682	6.8K	1 1
ECUV1H470JCV	47P			1 1			1 1
		اء			•		1
		8					1 1
PUCUVIC334ZF	0.33		1	R19	ERJ3GEYJ221	220	1
				11			
	1		1		ERJ3GEYJ820	82	1
PSCEV0JA220	22	i	1	R21	ERJ3GEYJ221	220	1
PQCUV1E104MD	0.1		1	R22	ERJ3GEYJ820	82] 1
PSCEV0JA470	47		2	R23,24	ERJ3GEYJ221	220	2
PSCEV1HA100	10		1	R25			1
PSCEV0JA220	22		1	B26			1 1
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	0.008			1 200	ED 100E)/1454	1.50	1 .
	1,000						1
PQCUVIE4/3MD	0.047	S	1				1
					ERJ3EKF9102	91K	1
PSCEV0JA102	1000		1	R34	ERJ3GEYJ105	1M	1 1
PQCUV1E104MD	0.1		1	R35	ERJ3GEYJ822	8.2K	1
PSCEV1HA100	10		1	R36	ERJ3GEYJ222	2.2K	1 1
		- 1					1
PQCUV1E473MD	0.047	s	2				1
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ECOVIE 102JCV	0.001	- 1	2			•	1
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	1 Total Control of the Control of th		1	R43	ERJ3GEYJ102	1K	1
		1	2	R44	ERJ3GEYJ183	18K	1
PSCEV0JA220	22	- 1	1	R45	ERJ3GEYJ103	10K	1
PSCEV1HAR33	0.33	ı	1	R46	ERJ3GEYJ392	3.9K	1
PSCEV1HA100	10	1	1	11			
PSCEV0JA220	22	1	1	R56	PO4R18X.I390	39	1
		- 1					1
PSCEVOJA101	100	ı	2				i
		1		1 1			1 1
		اء		1173	L1103GE 13332	0.01	1
						1	1
							2
ECUV1H104ZFV	0.1	s	1	R69	PQ4R18XJ3R3	3.3	1
		I					1
PSCEV0JA470	47		1	R83	ERJ3GEYJ104	100K	1
PQCUV1C474ZF	0.47	i	1	R84,85,86	ERJ3GEYJ103	10K	3
ECUV1H151JCV	150P	i	1	R87	ERJ3GEYJ104	100K	1
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	(JACKS)	ı		1		I	Ι ΄
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	1	1		R93-99	ERJ3GEYJ223	22K	7
	(COIL)	- 1					
PQLQR1LT	COIL	1	2	R100	ERJ3GEYJ223	22K	1
PQLQR1RM601		1			1	.	2
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	1	1	1	R107	ERJ3GEYJ104	100K	1
		ļ	ı	R108	ERJ3GEYJ563	56K	1
	1	- 1		R109	ERJ3GEYJ123	12K	1
EEF FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	ECUV1H080DCV ECUV1H104ZFV PQCUV1C334ZF PSCEV0JA220 PQCUV1C334ZF PSCEV0JA220 PQCUV1E104MD PSCEV0JA471 PQCUV1H102J PQCUV1H683KB PSCEV1HA010 PQCUV1E473MD PSCEV0JA102 PQCUV1E473MD PSCEV0JA102 PQCUV1E104MD PSCEV0JA101 PSCEV0JA101 PSCEV0JA101 PSCEV0JA101 PSCEV0JA101 PSCEV0JA101 PSCEV0JA220 PSCEV1HAN00 PSCEV0JA101 PSCEV0JA220 PSCEV1HAPP PSCEV0JA220 PSCEV0JA101 PSCEV0JA10	ECUV1H080DCV ECUV1H104ZFV 0.1 0.33	ECUV1H080DCV	COUVIH080DCV SP	EGUV1H080DCV	Page	SCUVHH040DCV

This replacement parts list is for KX-T7433C/T7433C-B only. Refer to the simplified manual (cover) for other areas.

Ref. No.	Part No.	Part Name & Description	Pcs	Ref. No.	Part No.	Part Name & Description	Pc
110	ERJ3GEYJ223	22K	1	1		SWITCH BOARD PARTS	
113	ERJ3GEYJ680	68	1				
114	ERJ3GEYJ102	1K	1 !	PCB3	PSWP3T7431C	SWITCH BOARD ASS'Y (RTL)	1
116	ERJ3GEY0R00	0	1				
	ERJ3GEYJ473	47K	2	11		(OLUTTOLD	
119	ERJ3GEY0R00	0	1	Louised	D00D044047	(SWITCH)	
100	ED IOOEVODOO			SW301	PSSRCA101Z	SWITCH	1
120	ERJ3GEY0R00	0	1 !	11			
21	ERJ3GEYJ101	100	1 1	11			
	ERJ3GEYJ223	22K	4	11		(CONNECTOR)	
	ERJ3GEYJ102	1K	2	CN301	PSJS03Q36Z	CONNECTOR, 3P	1
29	ERJ3GEYJ473	47K	1	11			
				11			- 1
30	ERJ3GEYJ221	220	1	11		1	1
31,132	ERJ3GEYJ330	33	2	11			ı
33	PQ4R18XJ100	10	1	11			
34,135	ERJ3GEYJ330	33	2	11		1	
36	ERJ3GEY0R00	0	1	11			
38	ERJ3GEYJ104	100K	1 1	H			
	ERJ3GEYJ103	10K	l i	11	1		- 1
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40	ERJ3GEYJ103	10K	1 1	11	l		
41	ERJ3GEYJ271	270		11	1	1	- 1
	ERJ3GEYJ330	33	10	11	1	1	ı
14-153 60			10	11	1	I	1
טי	ERJ3GEYJ104	100K	'	11		l	
			l	11	i		ı
		(TDANICEODATED)		11			
	001 70744	(TRANSFORMER)	1.	H			
	PSLT9Z4A	TRANSFORMER	1	11			- 1
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				11			
		(CRYSTAL OSCILLATORS					- 1
1		& CERAMIC FILTER)	1	11		1	i
	PSVCCR1638B7	CRYSTAL OSCILLATOR	1	11	1		
	PSVCCR1228B7	CRYSTAL OSCILLATOR	1	11			1
	PQVBTCS4.00M	CERAMIC FILTER	1 1	11			ı
]]			1
		LCD BOARD PARTS		11			
B2	PSWP2T7533G	LCD BOARD ASS'Y (RTL)	1	11			
		(ICs)		11			
201	PQVILC7931D	IC	1	11		1	
02	PSVI44780B24	IC	1	11			- 1
				11			
				11		1	- 1
		(DIODE)		11			- 1
)1	PSVD111R820R	LED	S 1				1
			1	11		1	
				11		1	- 1
		(CONNECTOR)	1	11			- 1
201	PSJS36A61Z	CONNECTOR, 36P	1	11			- 1
.01	1 000000012	CONTRECTION, SUI		11		1	
				11		•	
		(CARACITORS)		11		i	ł
00	PQCUV1E104MD	(CAPACITORS) 0.1	S 1	11	1	1	1
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		(DEGISTORS)		11	i	1	1
	DO ADAOY ICCO	(RESISTORS)			1	1	
	PQ4R10XJ222	2.2K	5	11			ı
6	PQ4R10XJ104	100K	1	11			- 1
			- 1		l		- 1
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		(OTHERS)		11		1	ı
	EDD104U32AAG	LIQUID CRYSTAL DISPLAY	1	11	I		
	PSSE1011Z	CONNECTOR	2	11	I		
	PSHR1132Z	GUIDE	1	11	1		
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	•		- 1	11	1		
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Service Manual

DIGITAL PROPRIETARY TELEPHONE



KX-T7433C / KX-T7433C-B / KX-T7436C / KX-T7436C-B (for Canada)

Please file and use this supplement manual together with the Service Manual for Model No.KX-T7433C, KX-T7433C-B Order No.KMS9809311C1 and KX-T7436C, KX-T7436C-B Order No.KMS9809312C1.

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⚠ WARNING

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Panasonic

- 1. T7433C SUP-4 (KMS0009909S1)
- 2. T7433C-B SUP-4 (KMS0009910S1)
- 3. T7436C_SUP-4 (KMS0009911S1)

4. T7436C-B_SUP-4 (KMS0009912S1)

5. SUP-5 (KMS0104113S1)

5.1. CHANGES

5.1.1. REPLACEMENT PARTS LIST

Reason for Change (Symbol:	A) Following 1-8 reasons are indicated on the Notes in the bottom co				
1. Improve performance	Remark:				
2. Change of material or	1. Mark *1 has been changed at the same time.				
dimension	2. Mark *2 has been changed at the same time.				
3. To meet approved specification					
4. Standardization					
5. Addition					
6. Deletion					
7. Correction					
8. Other					

Interchangeability Code (Symbol:B) Following V-Z interchangeabilities are indicated on the Notes bottom column.

Parts	Set Production	
V Original ∑ New	Early (before change) Late (after change)	Original or new parts may be used in early or late produc Use original parts until exhausted, then stock new parts.
Original W New	Early (before change) Late (after change)	Original parts may be used in early production sets only parts may be used in early or late production sets. Use o parts where possible, then stock new parts.
X Original New	Early (before change) Late (after change)	New parts only may be used in early or late production s Stock new parts.
Original ————————————————————————————————————	Early (before change) Late (after change)	Original parts may be used in early production sets only parts may be used in late production sets only. Stock bo original and new parts.
Z Other		

KX-T7433C, KX-T7433C-B

Ref. No.	Part	s No.	Part Name & description	Pcs	Remarks	Notes	
	Original Part	l Part New part					
CABINET	AND ELECTRICA	L PARTS					
28	PSSX1007Z	PSSX1007Y	KEY SWITCH	1		8	V
MAIN BO	ARD PARTS			'			
C18	ECUV1H080DCV	ECUV1H180JCV	CAPACITOR, 18pF	1	*1	8	X
C19	ECUV1H470JCV	ECUV1H180JCV	CAPACITOR, 18pF	1	*1	8	X
X1	PSVCCR1638B7	PSVCC0025GT	CRYSTAL OSCILLATOR	1	*1	8	X
X2	PSVCCR1228B7	PSVCC0031GT	CRYSTAL OSCILLATOR	1	*1	8	X
LCD BOA	RD PARTS						
E3	PSHR1132Z	PSHR1132Y	GUIDE	1		8	٧

KX-T7436C, KX-T7436C-B

Ref. No.	Part	s No.	Part Name & description	Pcs	Remarks	Notes	
	Original Part	Part New part					
CABINET	AND ELECTRICA	L PARTS					
28	PSSX1008Z	PSSX1008Y	KEY SWITCH	1		8	٧
MAIN BO	ARD PARTS			'			
C18	ECUV1H080DCV	ECUV1H180JCV	CAPACITOR, 18pF	1	*2	8	X
C19	ECUV1H470JCV	ECUV1H180JCV	CAPACITOR, 18pF	1	*2	8	Χ
X1	PSVCCR1638B7	PSVCC0025GT	CRYSTAL OSCILLATOR	1	*2	8	X
X2	PSVCCR1228B7	PSVCC0031GT	CRYSTAL OSCILLATOR	1	*2	8	X
LCD BOA	RD PARTS						
E3	PSHR1133Z	PSHR1133Y	GUIDE	1		8	٧

N.T. / KXT7433C, KXT7433CB / KXT7436C, KXT7436CB

Service Manual

Supplement-4

DIGITAL PROPRIETARY TELEPHONE

KX-T7433C

(for Canada)

Please file and use this supplement manual together with the service manual for model No. KX-T7433C, KX-T7433C-B Order No.KMS9809311C1.

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1 CHANGES

1.1. REPLACEMENT PARTS LIST

1. lı	mprove performance		
	Change of material or dimension		
3. T	o meet approved specification		
4. 8	Standardization		
5. A	Addition		
6. E	Peletion		
	Correction		
8. C	Other		
Inte	rchangeability code (Symb	ool:B) Follo	wing V-Z interchangeabilities are indicated on the Notes in the bottom column
	Parts Set Pro	duction	Description
٧	Original Early (before Late (after		Original or new parts may be used in early or late production sets. Use original parts until exhausted, then stock new parts.
v w	New Late (after or Original Early (before	change)	Original or new parts may be used in early or late production sets.
	New Late (after or Original Early (before	change) e change) change) e change)	Original or new parts may be used in early or late production sets. Use original parts until exhausted, then stock new parts. Original parts may be used in early production sets only. New parts may be used in
w	Original Early (before Late (after or Driginal Early (before Drigina	change) e change) change) e change) change) e change)	Original or new parts may be used in early or late production sets. Use original parts until exhausted, then stock new parts. Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts where possible, then stock new parts. New parts only may be used in early or late production sets.

Ref. No.	Parts No.		Part Name & description	Pcs	Remarks	Notes	Time of		
	Original Part	New part					change (Suffix)		
ACCESSORIES AN	CCESSORIES AND PACKING MATERIALS								
P1		PSPK1696Z	GIFT BOX (Made in Malaysia)	1		5			
MAIN BOARD PAR	TS						•		
SW1	PSVII24019T1	PSVII24019T2	IC	1		1 X			

Service Manual

Supplement-4

DIGITAL PROPRIETARY TELEPHONE

KX-T7433C-B

(for Canada)

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1 CHANGES

1.1. REPLACEMENT PARTS LIST

1. lı	mprove performance		
	Change of material or dimension		
3. T	o meet approved specification		
4. 8	Standardization		
5. A	Addition		
6. E	Peletion		
	Correction		
8. C	Other		
Inte	rchangeability code (Symb	ool:B) Follo	wing V-Z interchangeabilities are indicated on the Notes in the bottom column
	Parts Set Pro	duction	Description
٧	Original Early (before Late (after		Original or new parts may be used in early or late production sets. Use original parts until exhausted, then stock new parts.
v w	New Late (after or Original Early (before	change)	Original or new parts may be used in early or late production sets.
	New Late (after or Original Early (before	change) e change) change) e change)	Original or new parts may be used in early or late production sets. Use original parts until exhausted, then stock new parts. Original parts may be used in early production sets only. New parts may be used in
w	Original Early (before Late (after or Driginal Early (before Drigina	change) e change) change) e change) change) e change)	Original or new parts may be used in early or late production sets. Use original parts until exhausted, then stock new parts. Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts where possible, then stock new parts. New parts only may be used in early or late production sets.

Ref. No.	Parts No.		Part Name & description	Pcs	Remarks	Notes	Time of		
	Original Part	New part					change (Suffix)		
ACCESSORIES AN	CCESSORIES AND PACKING MATERIALS								
P1		PSPK1697Z	GIFT BOX (Made in Malaysia)	1		5			
MAIN BOARD PAR	TS								
SW1	PSVII24019T1	PSVII24019T2	IC	1		1 X			

Service Manual

DIGITAL PROPRIETARY TELEPHONE

KX-T7436C

(for Canada)



Please file and use this supplement manual together with the service manual for model No. KX-T7436C, KX-T7436C-B Order No.KMS9809312C1.

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1 CHANGES

1.1. REPLACEMENT PARTS LIST

Rea	ason for Cha	nge (Symbol:A) Followin	ng 1-8 reasons are indicated on the Notes in the bottom column.
1. Ir	mprove perform	ance	
2. C	Change of mater	rial or dimension	
3. T	o meet approve	ed specification	
4. S	Standardization		
5. A	Addition		
6. D	Deletion		
7. C	Correction		
8. C	Other		
Inte	erchangeabili	ity code (Symbol:B) Follo	wing V-Z interchangeabilities are indicated on the Notes in the bottom column
	Parts	Set Production	Description
٧	Original S	Early (before change) Late (after change)	Original or new parts may be used in early or late production sets. Use original parts until exhausted, then stock new parts.
W	Original	Early (before change) Late (after change)	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts where possible, then stock new parts.
Х	Original	Early (before change) Late (after change)	New parts only may be used in early or late production sets. Stock new parts.
Υ	Original —— New ——	Early (before change) Late (after change)	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
Z	Other		

Ref. No.	Parts No.		Part Name & description	Pcs	Remarks	Notes	Time of	
	Original Part	New part					change (Suffix)	
MAIN BOARD PARTS								
SW1	PSVII24019T1	PSVII24019T2	IC	1		1 X		

Service Manual

Supplement-4

DIGITAL PROPRIETARY TELEPHONE

KX-T7436C-B

(for Canada)

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1 CHANGES

1.1. REPLACEMENT PARTS LIST

Rea	son for C	hange (Symbol:A) Followin	g 1-8 reasons are indicated on the Notes in the bottom column.			
1. Improve performance						
2. Change of material or dimension		aterial or dimension				
To meet approved specification		oved specification				
4. Standardization		on				
5. Addition						
	6. Deletion					
	orrection					
8. O	other					
Inte	rchangeal	bility code (Symbol:B) Follo	wing V-Z interchangeabilities are indicated on the Notes in the bottom column.			
	Parts	Set Production	Description			
٧	Original -	Early (before change) Late (after change)	Original or new parts may be used in early or late production sets. Use original parts until exhausted, then stock new parts.			
W	Original — New —	Early (before change) Late (after change)	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts where possible, then stock new parts.			
Х	Original New -	Early (before change) Late (after change)	New parts only may be used in early or late production sets. Stock new parts.			
Υ	Original — New —	Early (before change) Late (after change)	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.			
Z	Other					

Ref. No.	Parts No.		Part Name & description	Pcs	Remarks	Notes	Time of		
	Original Part	New part					change (Suffix)		
ACCESSORIES AND PACKING MATERIALS									
P1		PSPK1695Z	GIFT BOX (Made in Malaysia)	1		5			
MAIN BOARD PARTS									
SW1	PSVII24019T1	PSVII24019T2	IC	1		1 X			